

FIG. 1

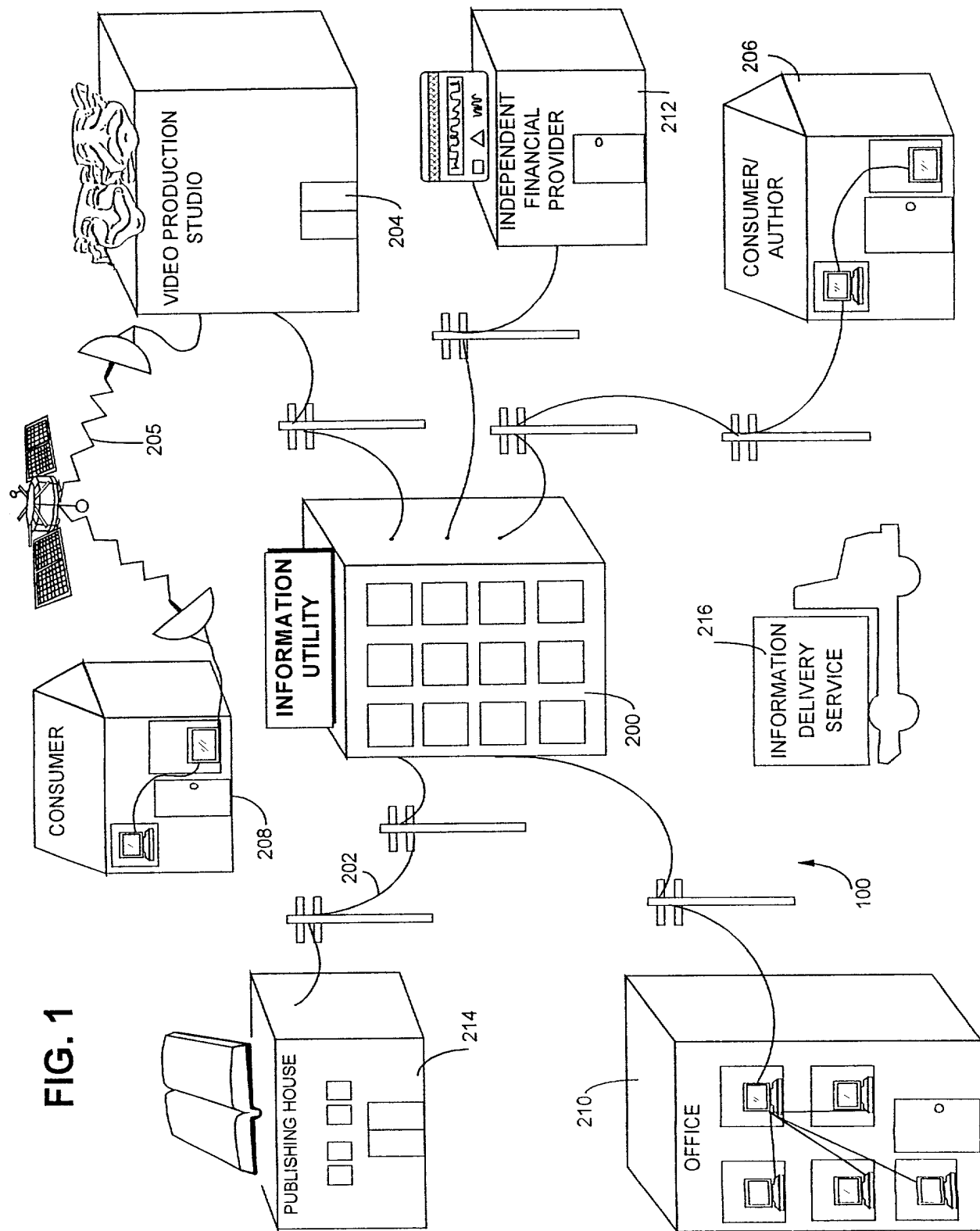
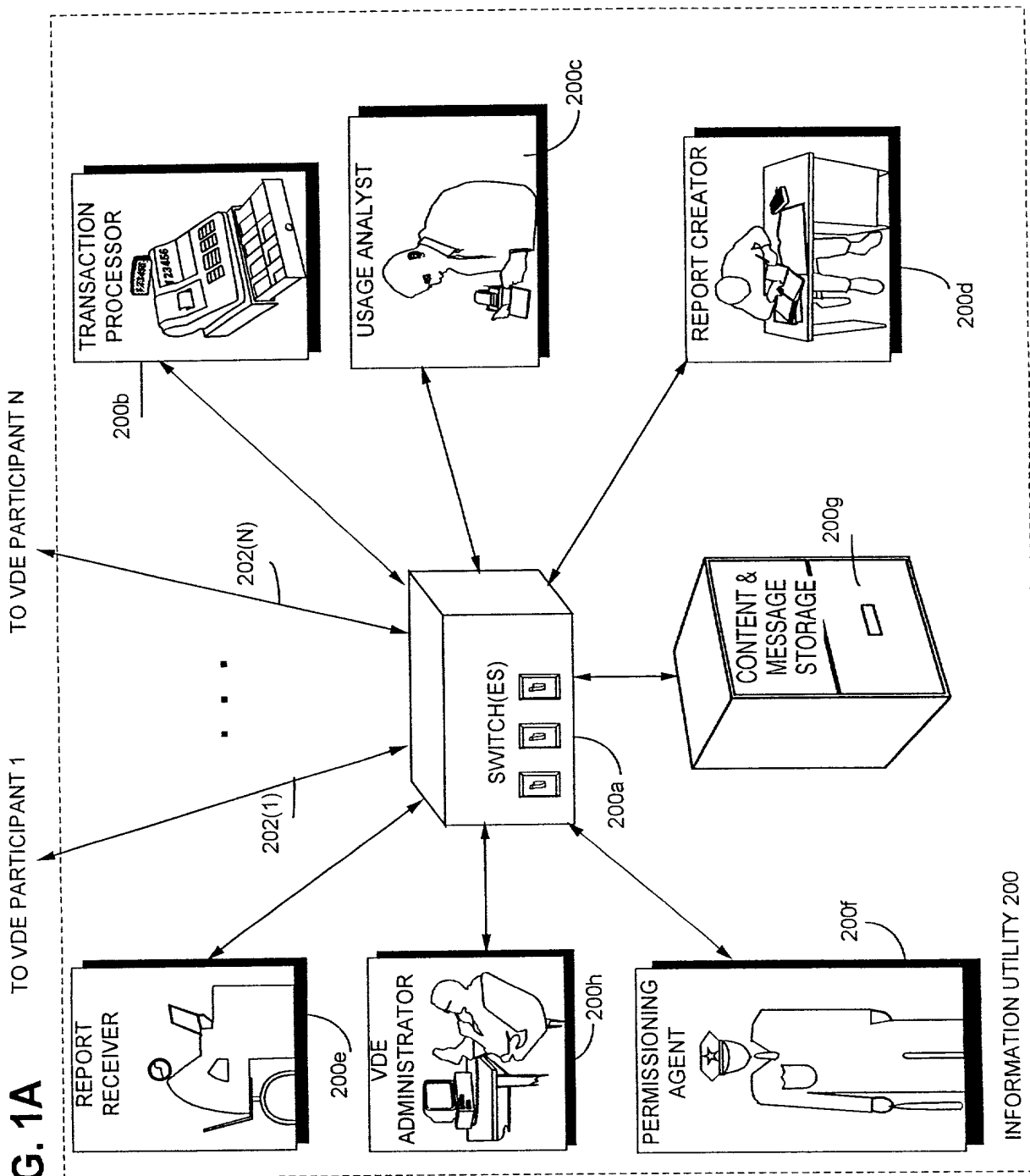


FIG. 1A



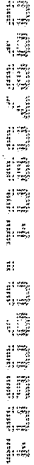


FIG. 2A

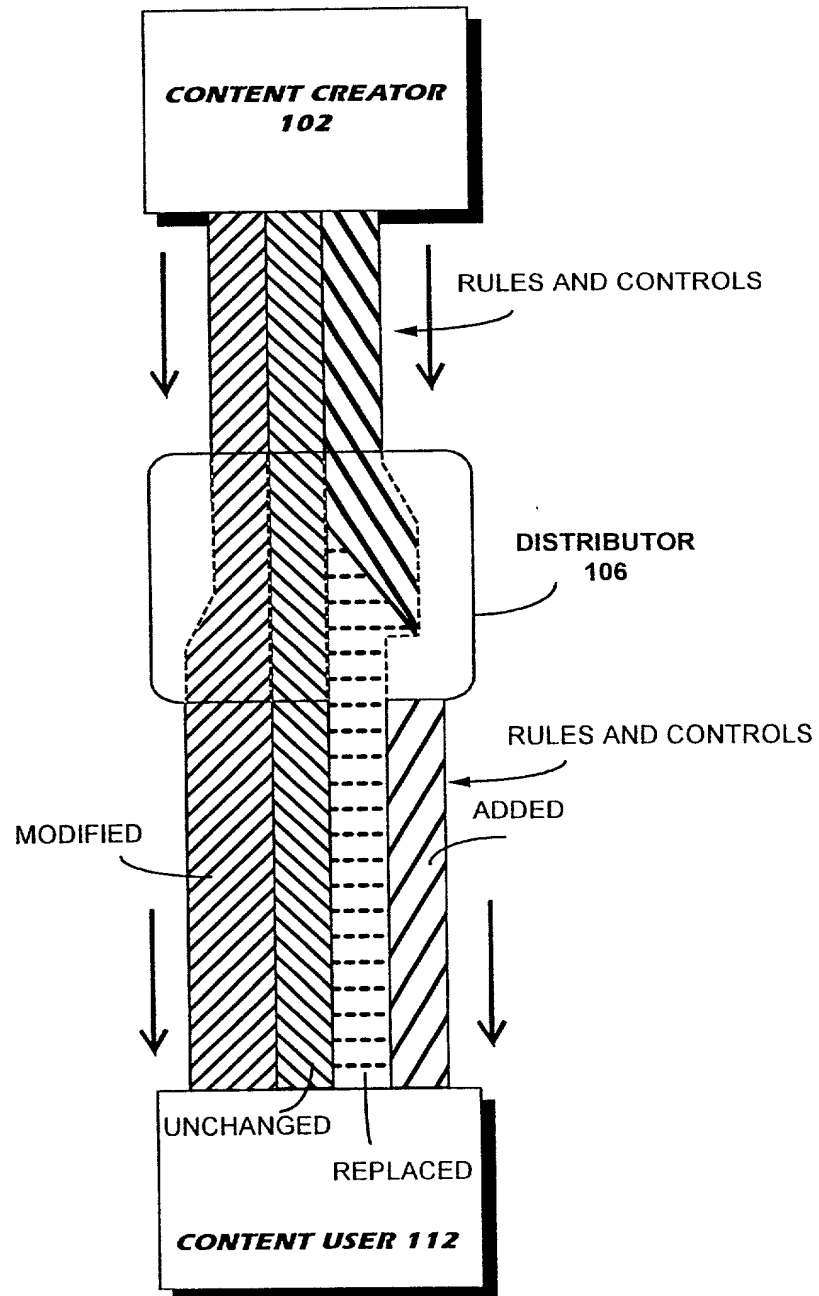


FIG. 3

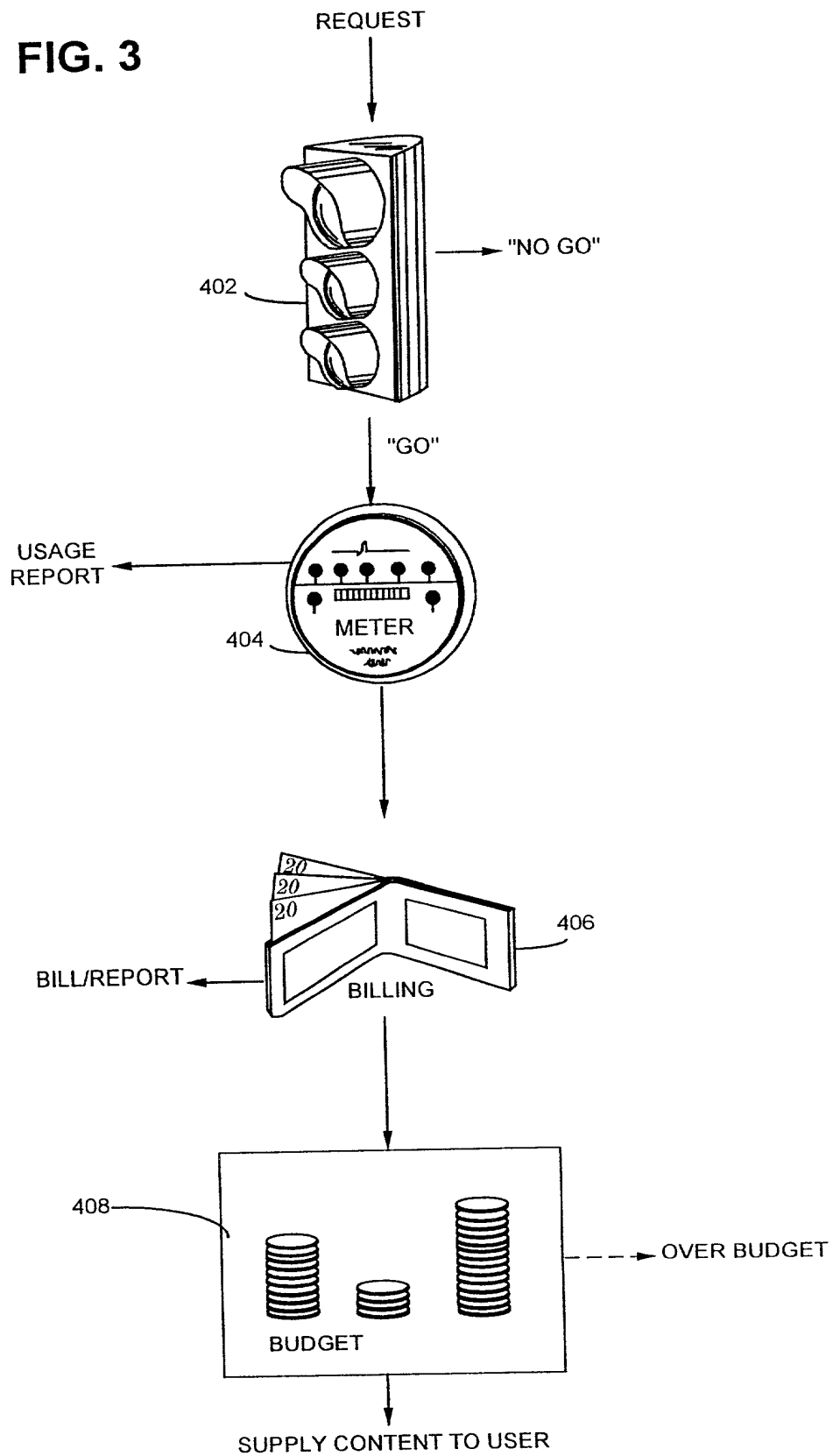
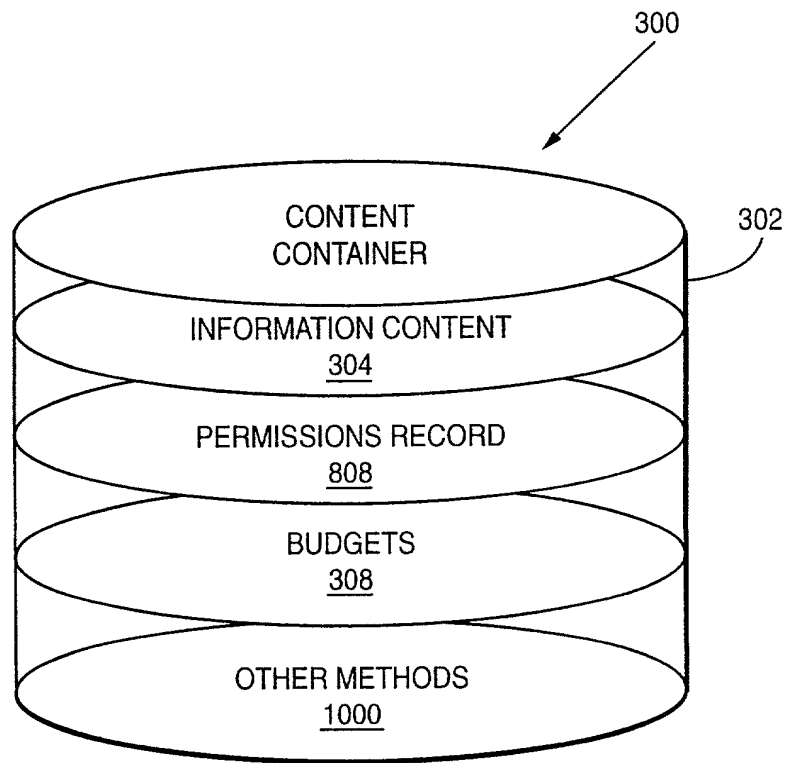
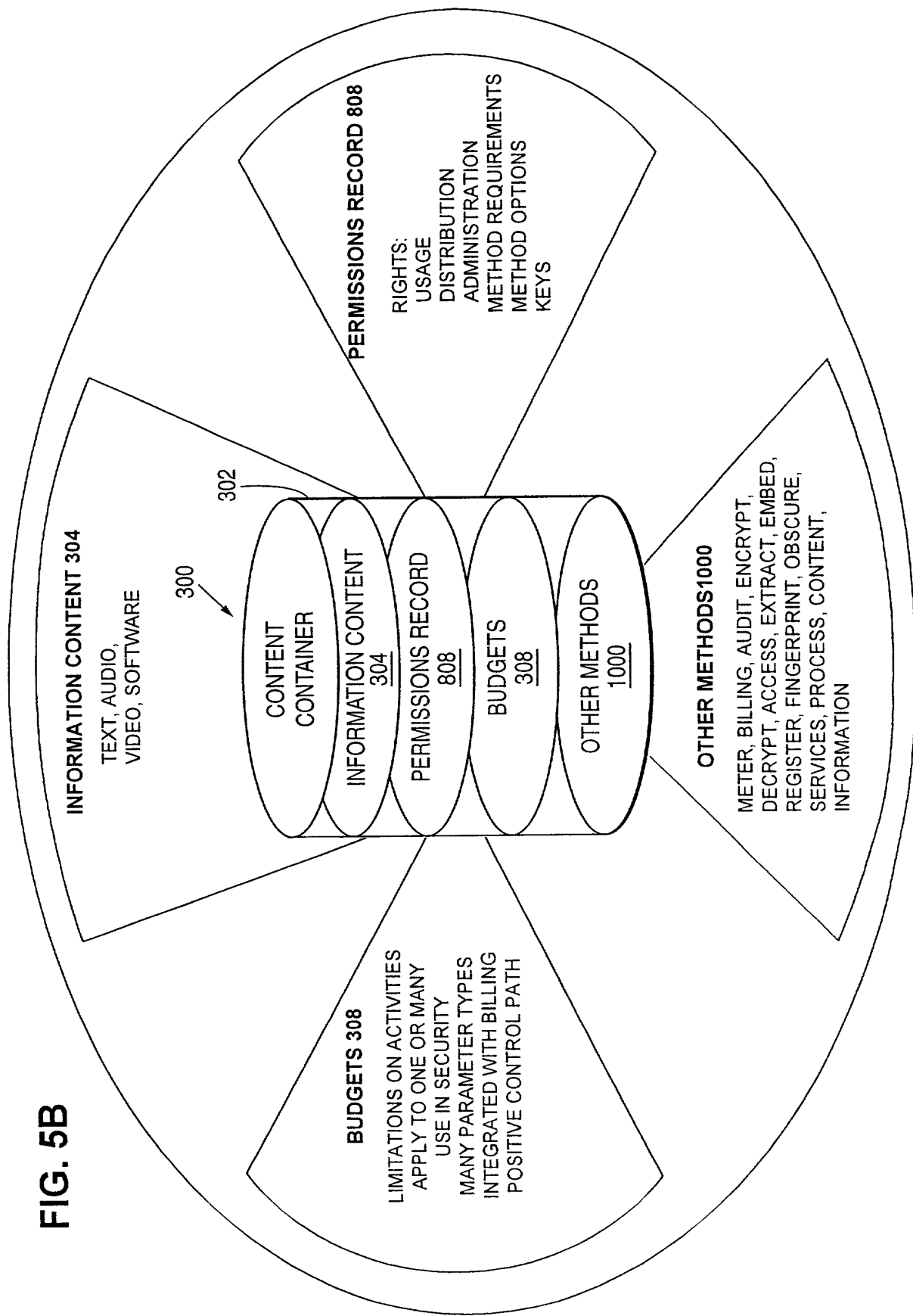


FIG. 5A





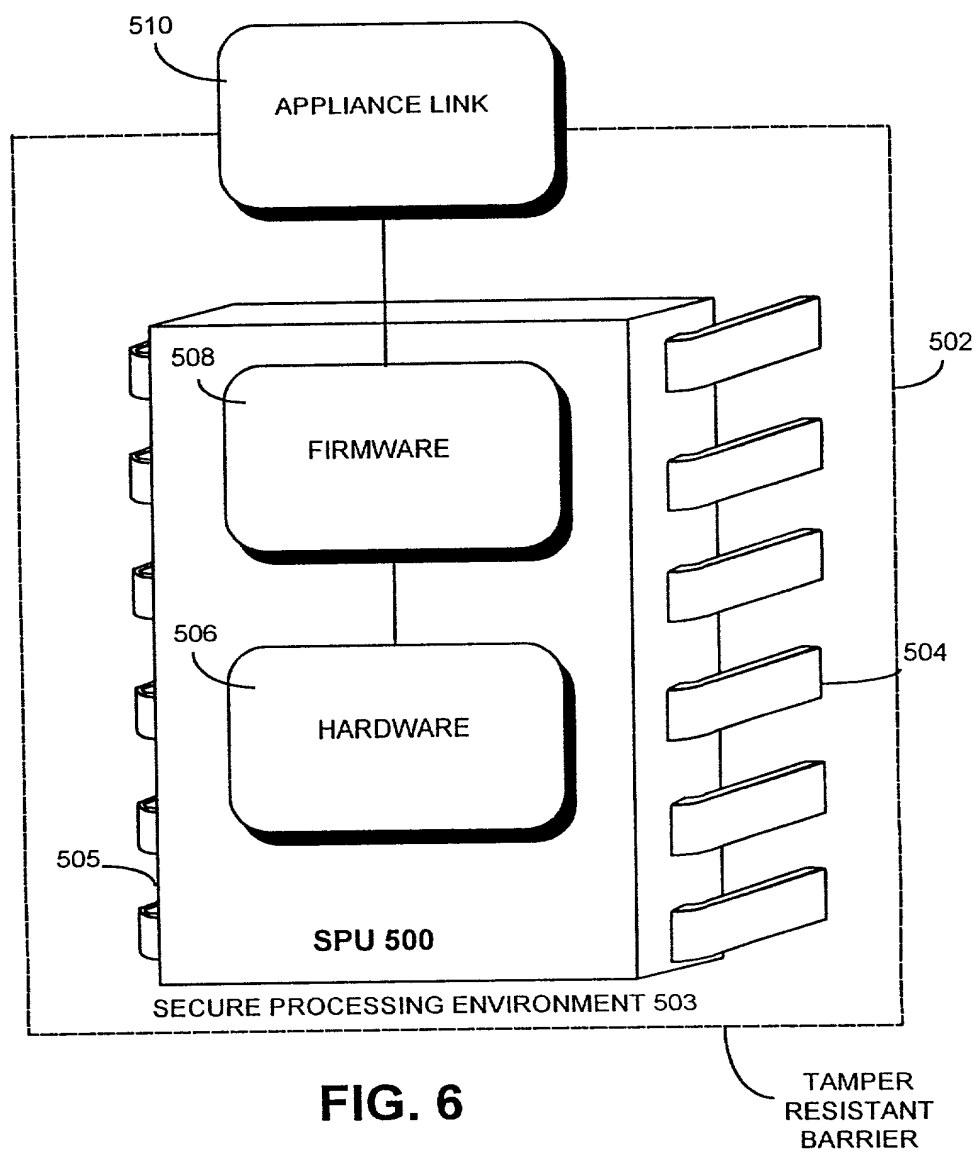


FIG. 7

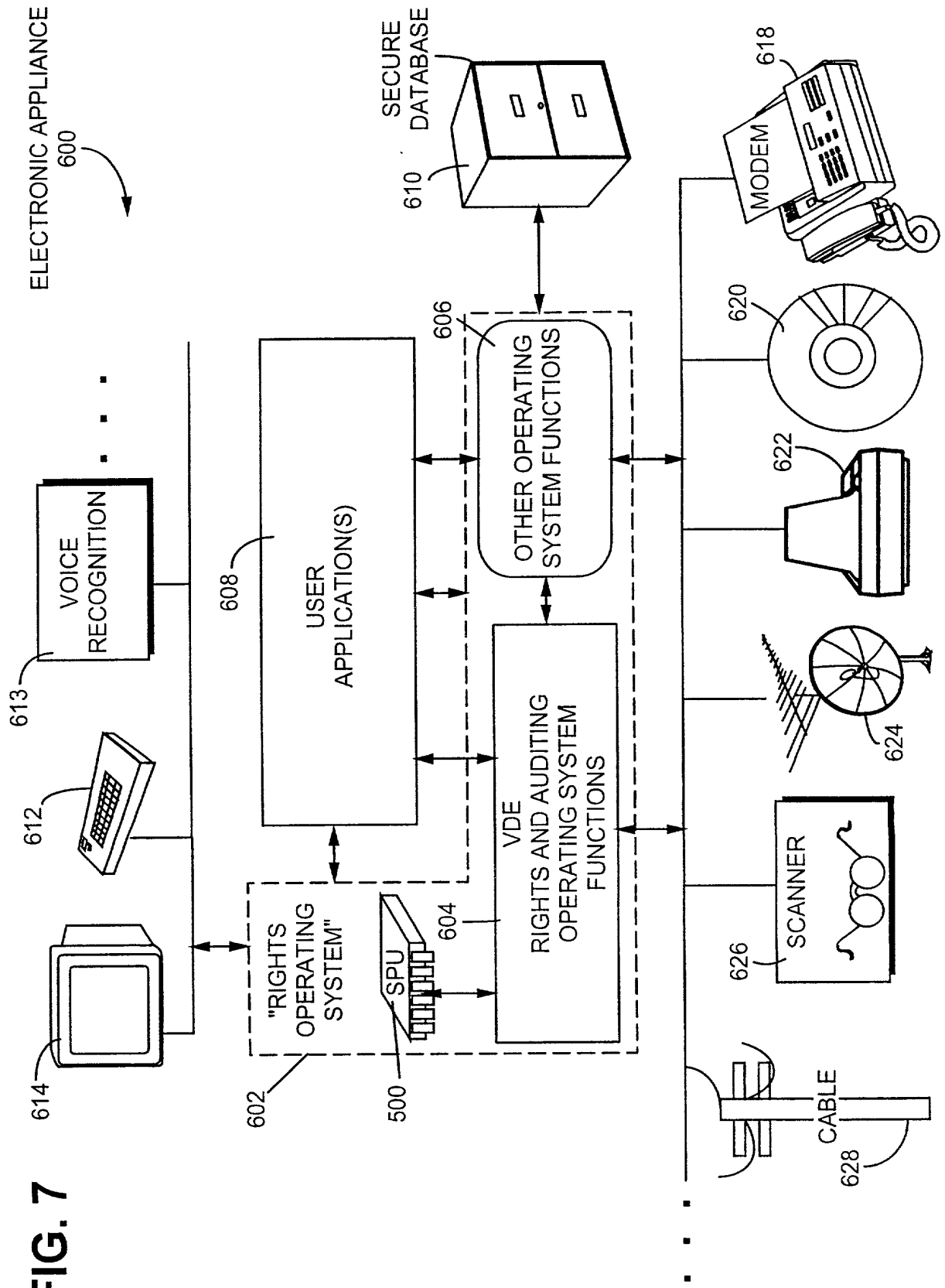
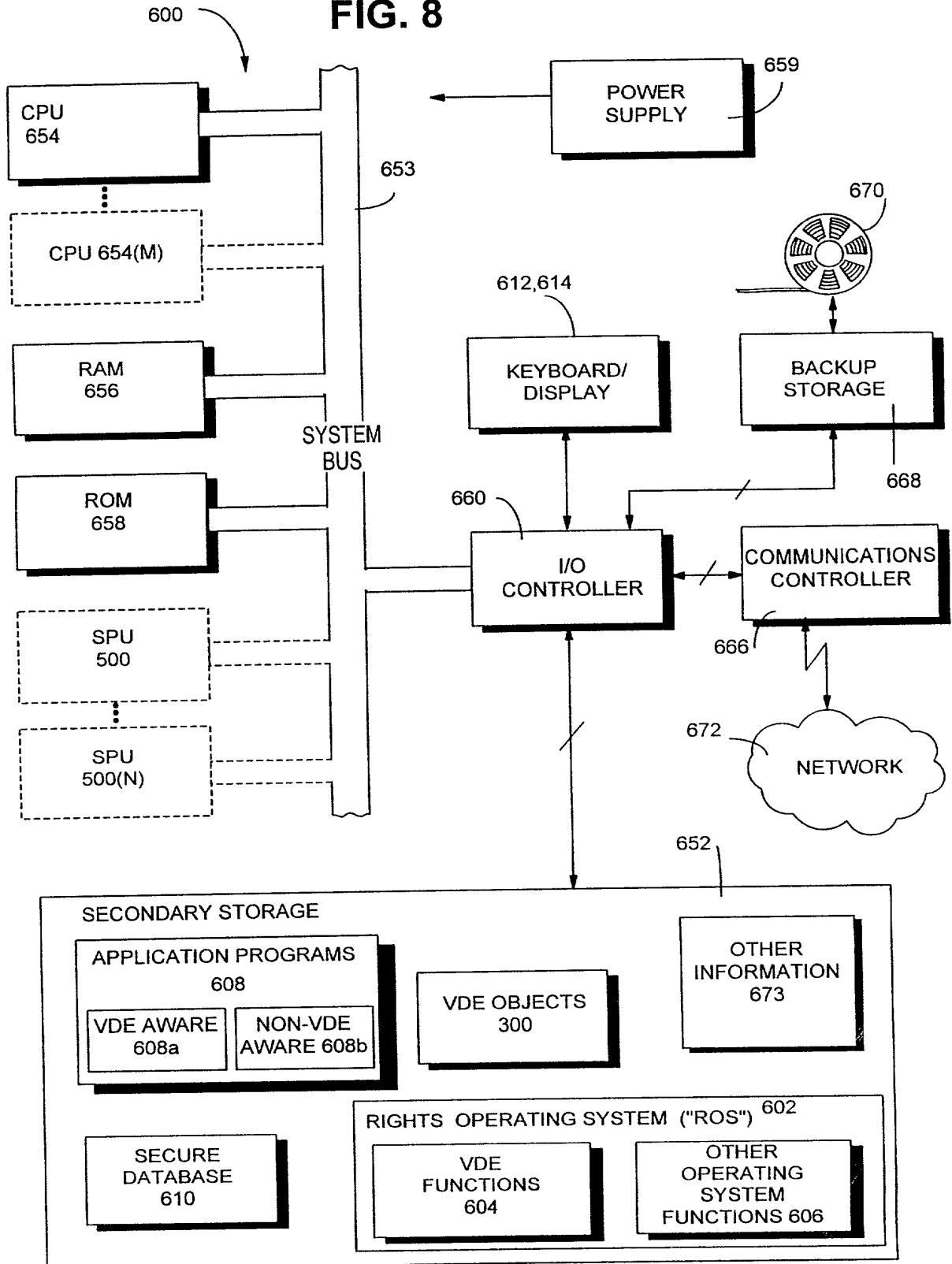


FIG. 8



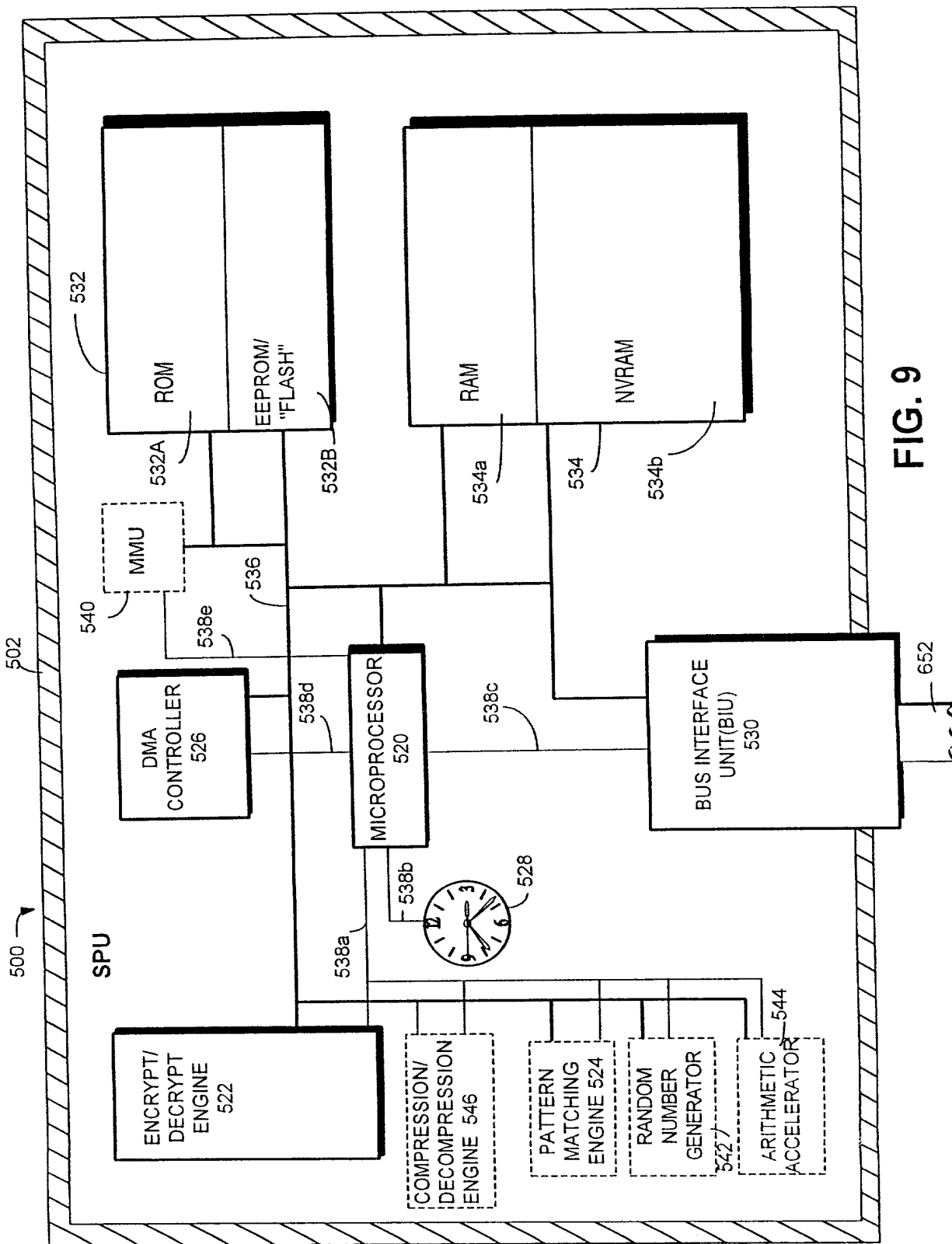


FIG. 9

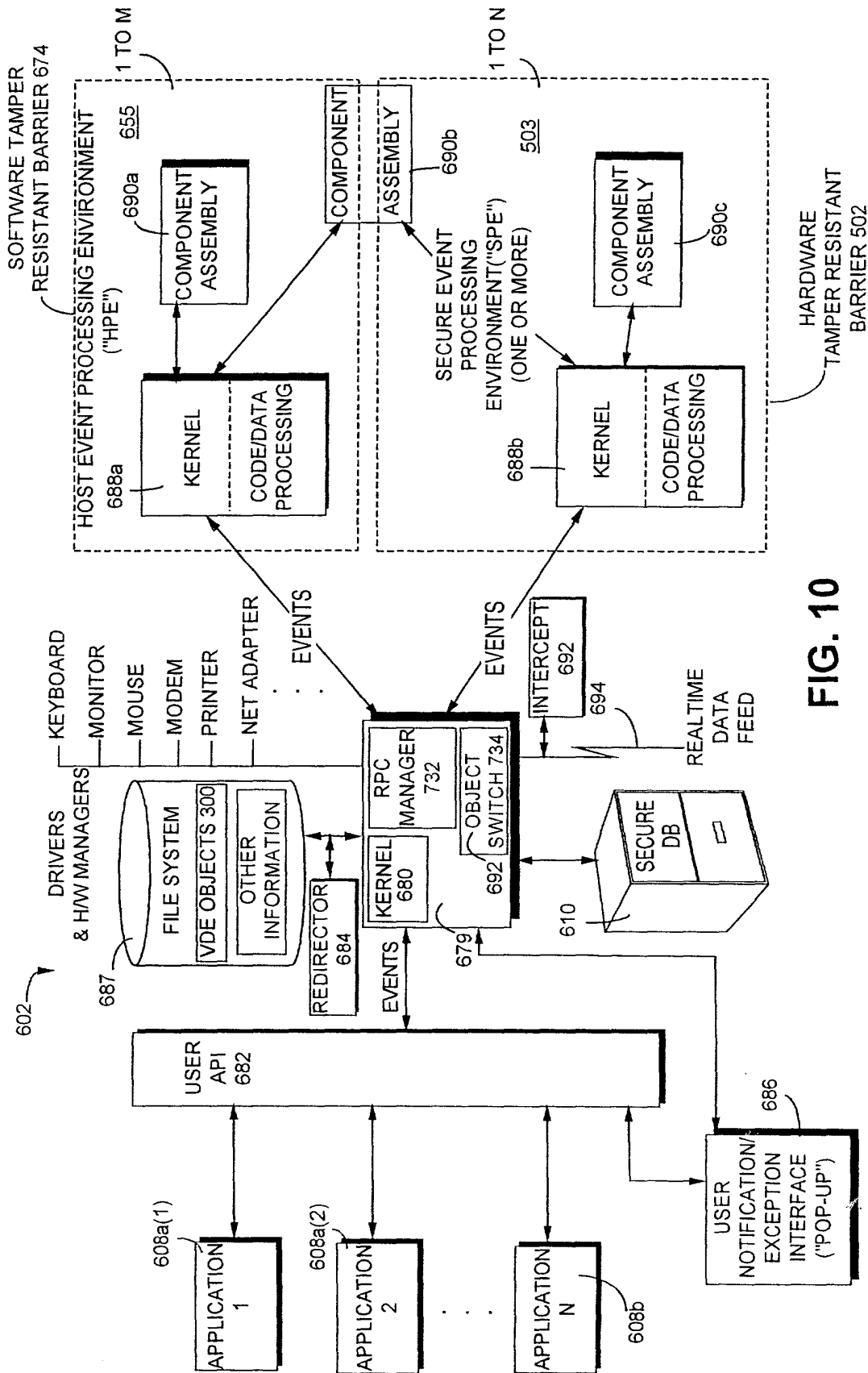


FIG. 10

FIG. 11A

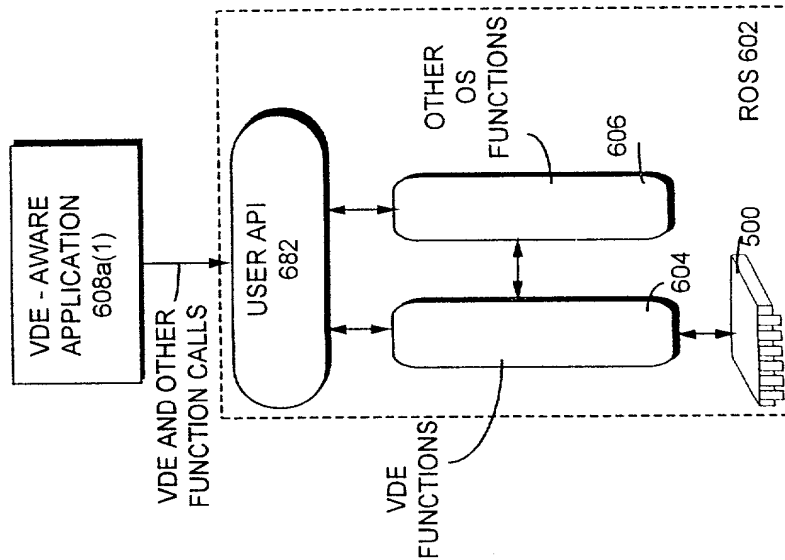


FIG. 11B

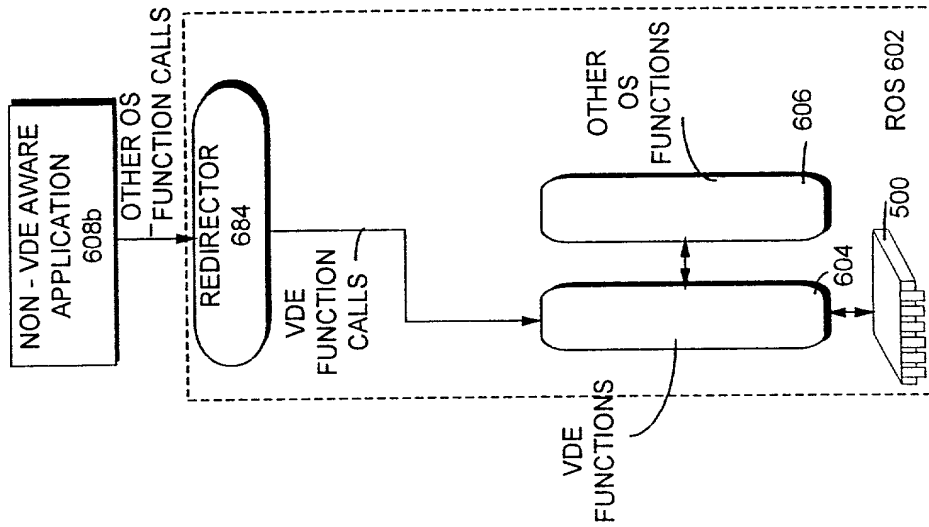
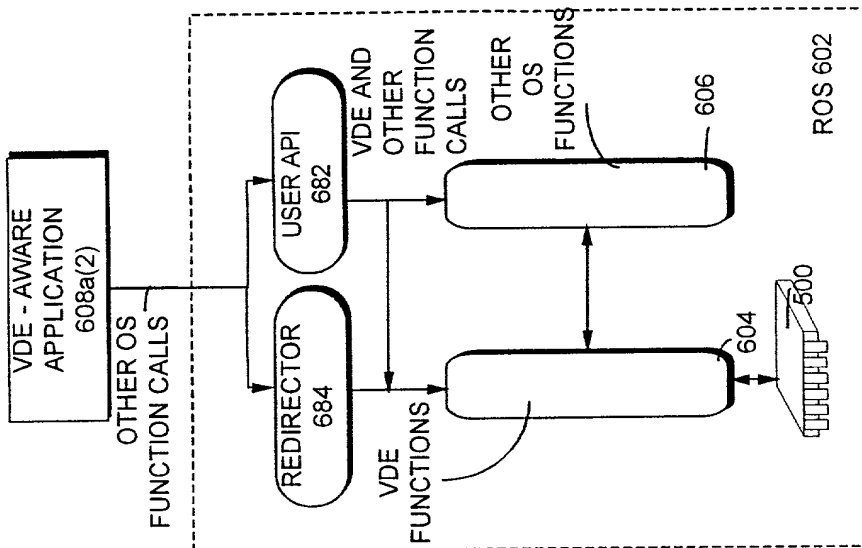


FIG. 11C



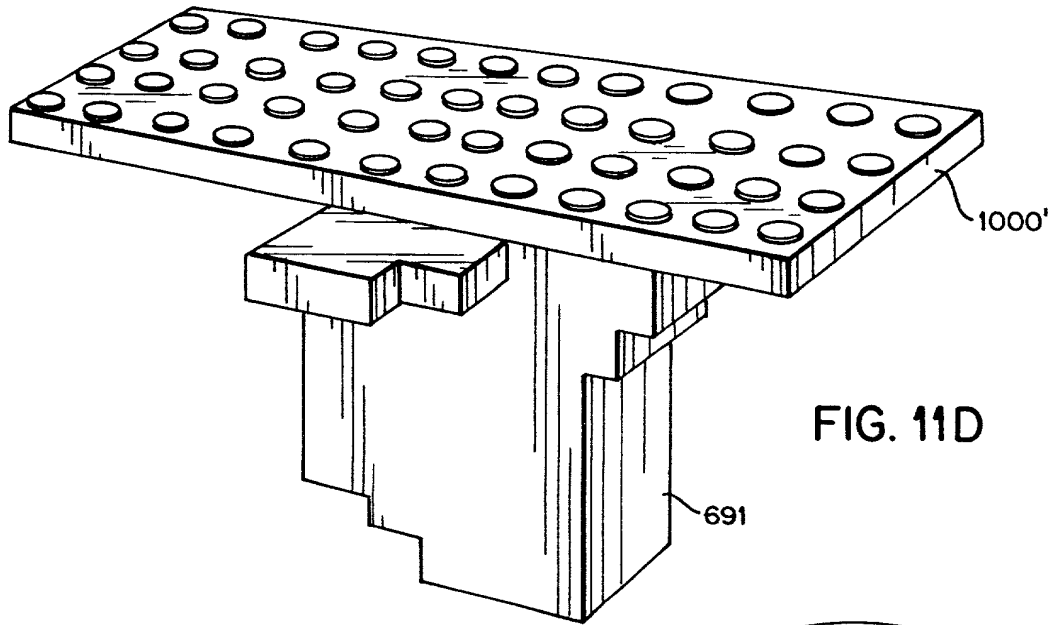


FIG. 11D

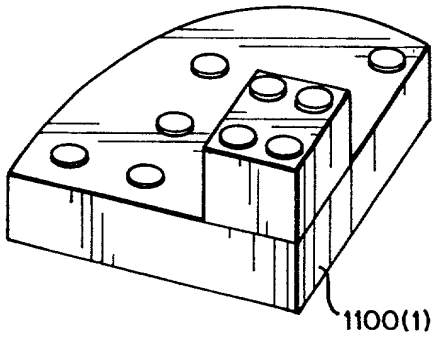


FIG. 11E

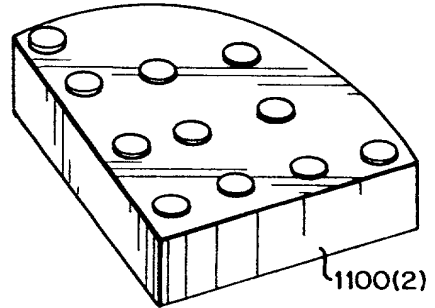


FIG. 11F

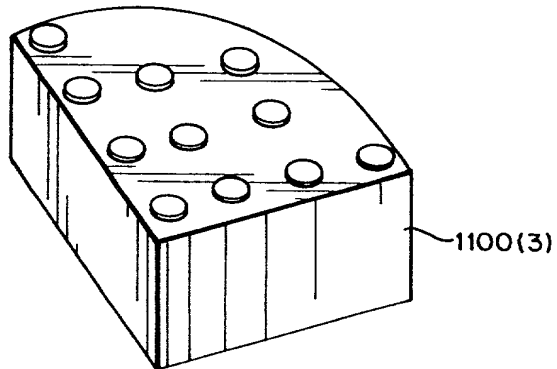


FIG. 11G

FIG. 11H

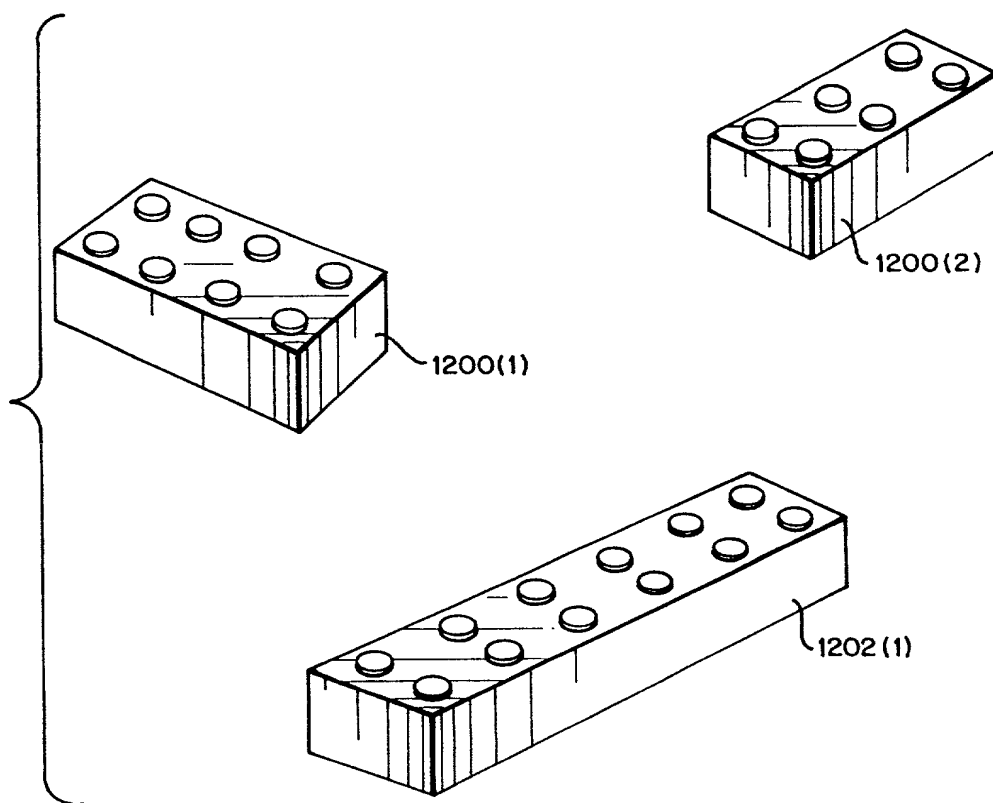
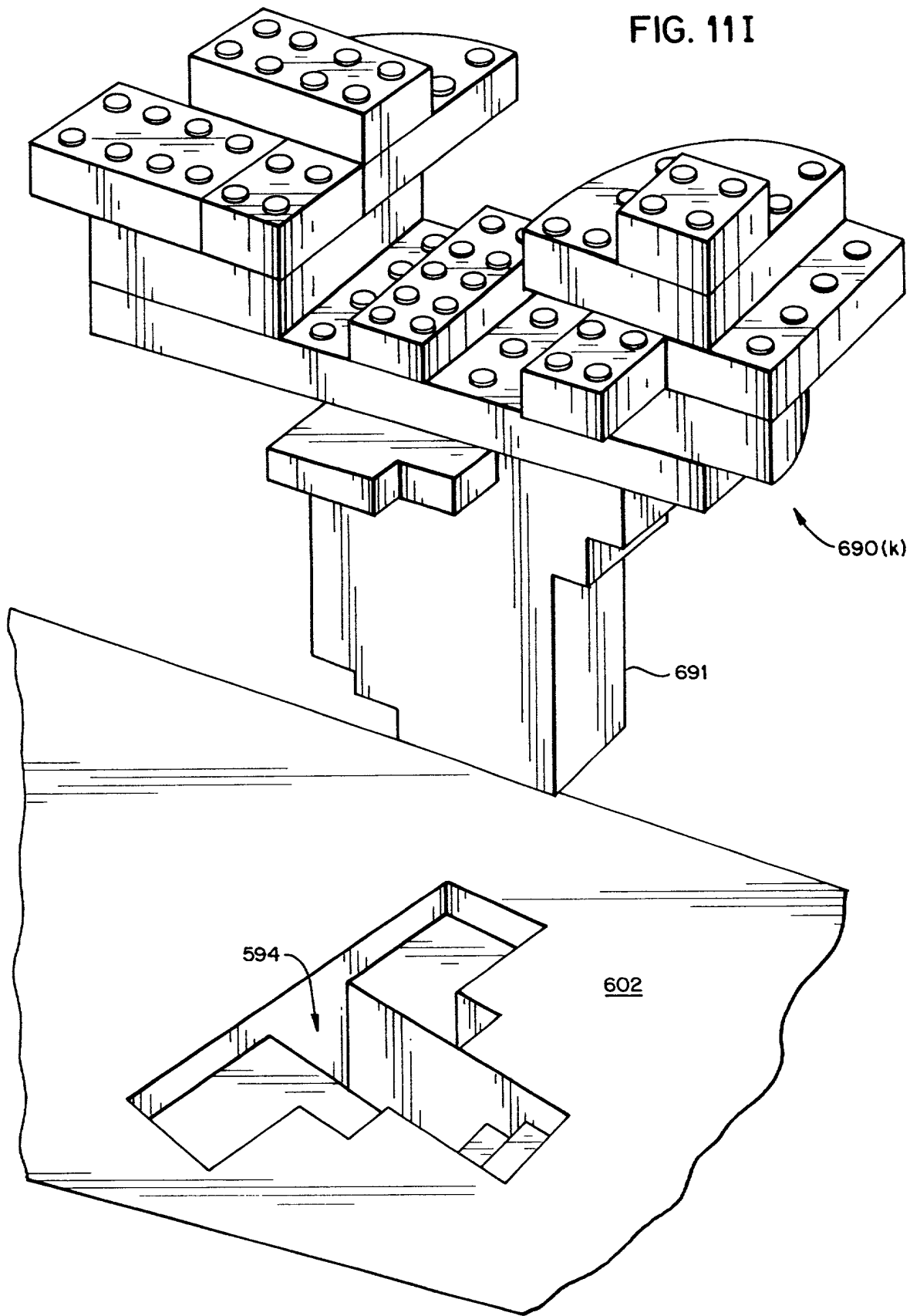
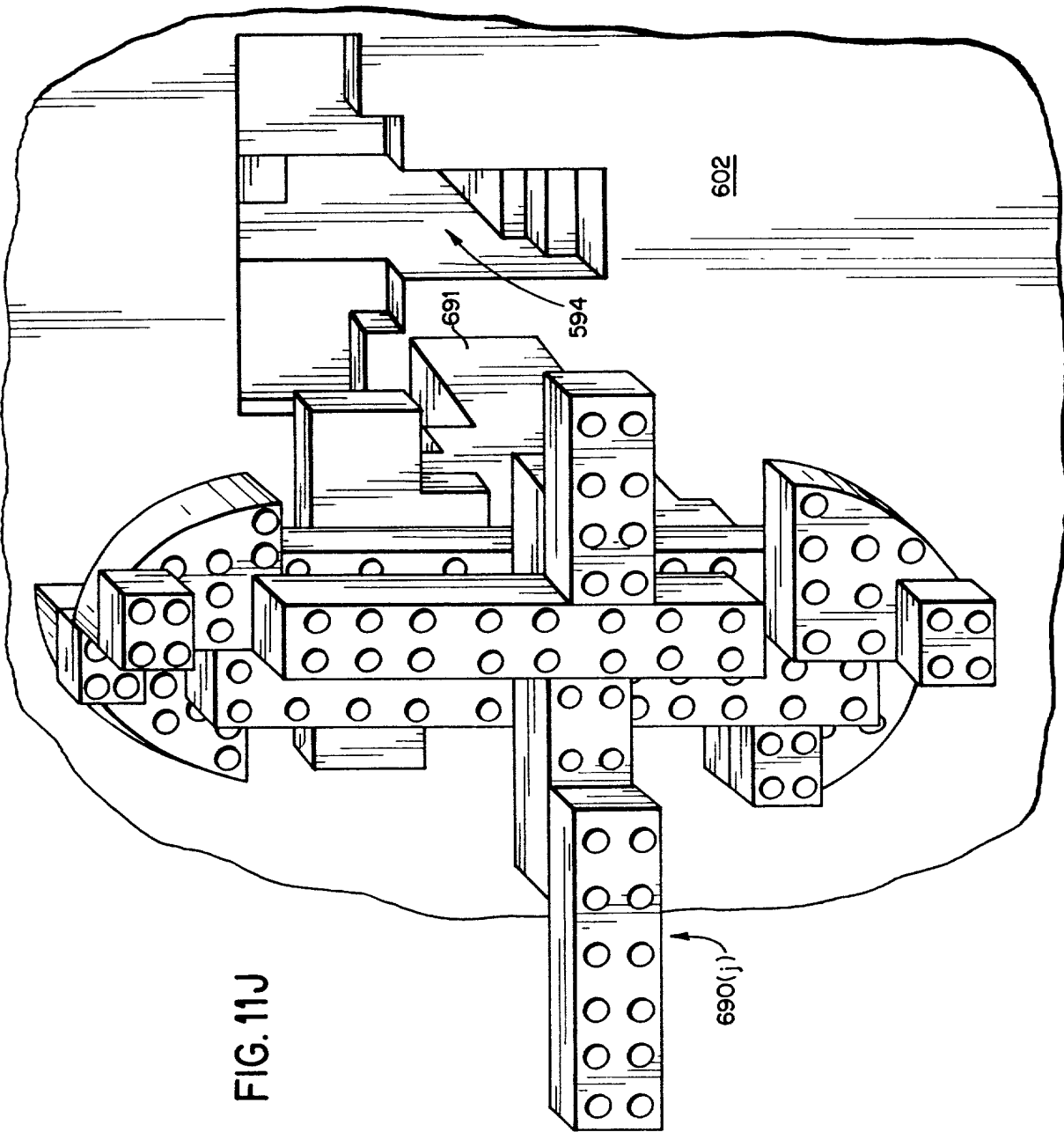


FIG. 11H

FIG. 11I





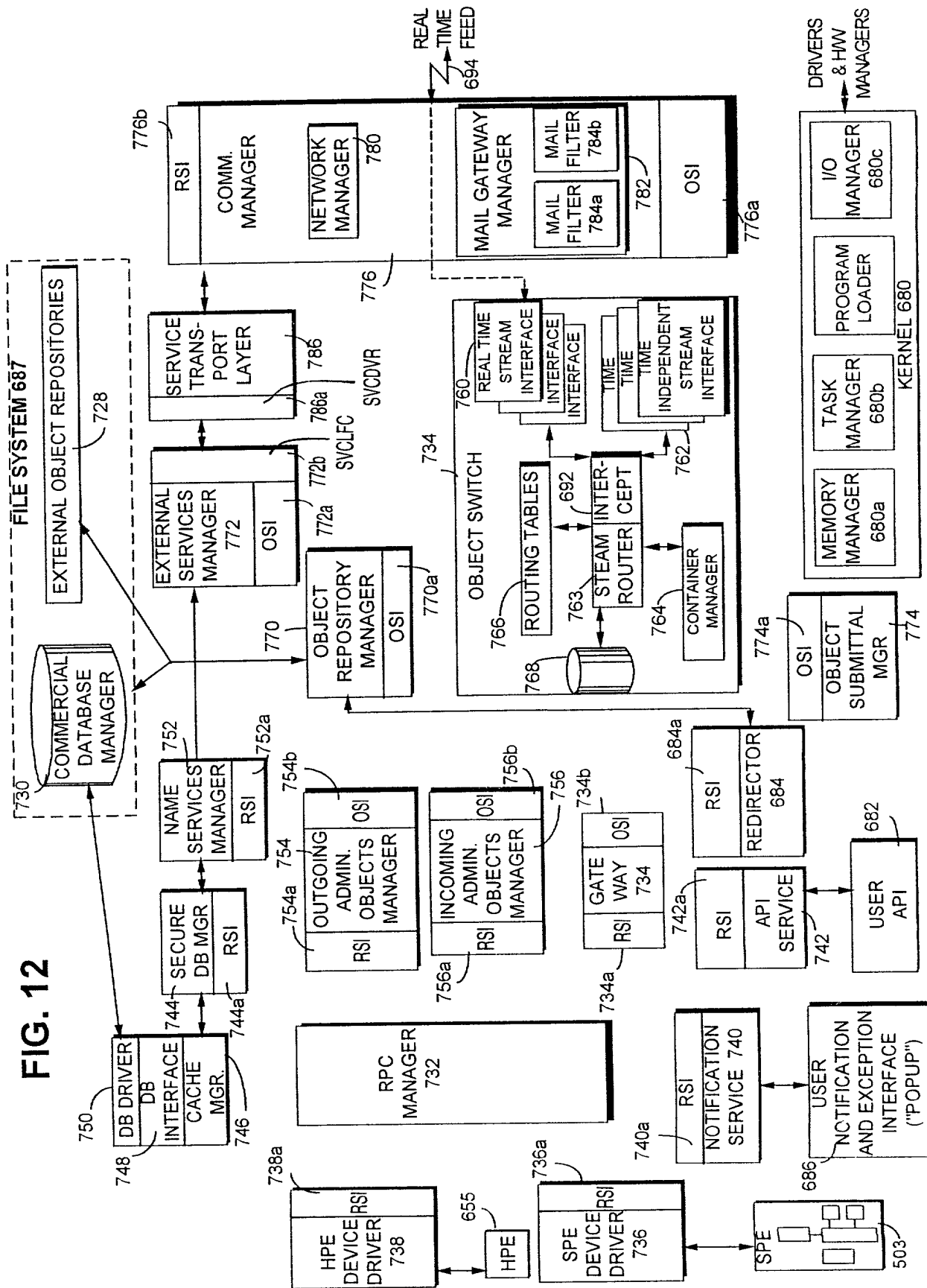
[illegible]

FIG. 13

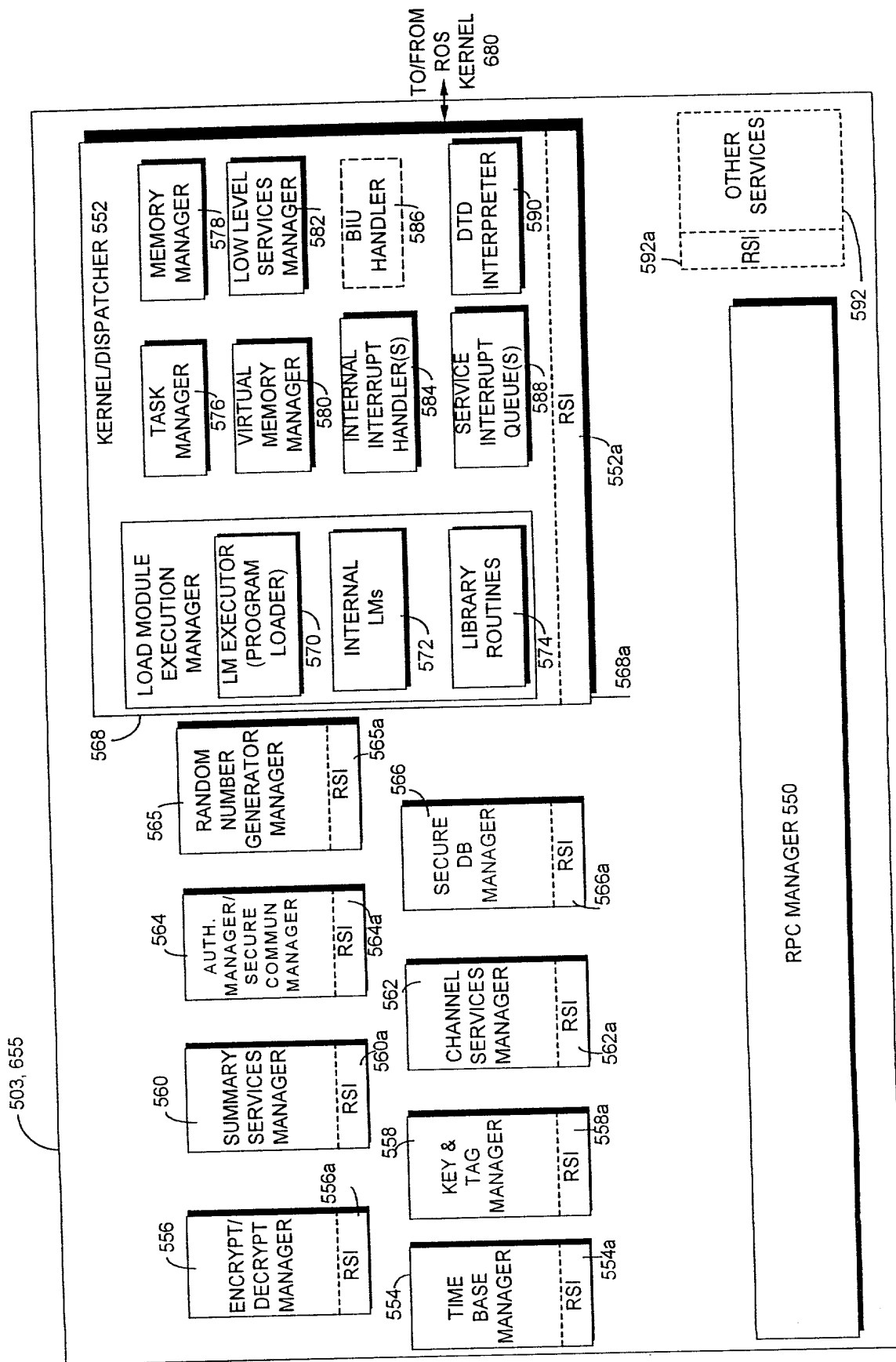


FIG. 14A

DEVICE FIRM WIRE LOW LEVEL SERVICES 582
INITIALIZATION
POST
DOWNLOAD CHALLENGE/RESPONSE AND AUTHENTICATION
RECOVERY
EEPROM/FLASH MEMORY MANAGER
KERNEL/DISPATCHER 552
INITIALIZATION
TASK MANAGER 576 (SLEEP/AWAKE/CONTEXT SWAP)
INTERRUPT HANDLER 584 (TIMER/BIU/POWER FAIL/WATCHDOG TIMER/ENCRYPTION COMPLETED)
BIU HANDLER 586
MEMORY MANAGER 578
INITIALIZATION (SETTING MMU TABLES
ALLOCATE
DEALLOCATE
VIRTUAL MEMORY MANAGER 580
SWAP BLOCK PAGING
EXTERNAL MODULE PAGING
MEMORY COMPRESS
RPC AND TABLES 550
INITIALIZATION
MESSAGING CODE /SERVICES MANAGER
SEND/RECEIVE
STATUS
RPC DISPATCH TABLE
RPC SERVICE TABLE

•
•
•

TIME BASE MANAGER 554
ENCRYPTION/DECRYPTION MANAGER 556
PK
BULK
KEY AND TAG MANAGER 558
KEY STORAGE IN EEPROM
KEY LOCATOR
KEY GENERATOR
CONVOLUTION ALGORITHM
SUMMARY SERVICES MANAGER 560
EVENT SUMMARIES
BUDGET SUMMARIES
DISTRIBUTER SUMMARY SERVICES
CHANNEL SERVICES MANAGER 562
CHANNEL HEADERS
CHANNEL DETAILS
LOAD MODULE EXECUTION SERVICES 568
AUTHENTICATION MANAGER/SECURE COMMUNICATION MANAGER 564
DATABASE MANAGER 566
MANAGEMENT FILE SUPPORT
TRANSACTION AND SEQUENCE NUMBER SUPPORT
SRN/ HASH
DTD INTERPRETER 590
LIBRARY ROUTINES 574
I/O CALLS (STRING SEARCH ETC.)
MISC. ITEMS THAT ARE PROBABLY LIBRARY ROUTINES
TAG CHECKING, MD5, CRC'S
INTERNAL LM'S 572 FOR BASIC METHODS
METER LOAD MODULE(S)
BILLING LOAD MODULE(S)
BUDGET LOAD MODULE(S)
AUDIT LOAD MODULE(S)
READ OBJECT LOAD MODULE(S)
WRITE OBJECT LOAD MODULE(S)
OPEN OBJECT LOAD MODULE(S)
CLOSE OBJECT LOAD MODULE(S)

•
•
•

FIG. 14B

•
•
•

PUBLIC KEY AND PRIVATE KEY, SYSTEM ID, AUTHENTICATION CERTIFICATE, VDE SYSTEM PUBLIC KEY, PRIVATE DES KEY
TOP LEVEL KEYS FOR OBJECTS
TOP LEVEL BUDGET INFO
METER SUMMATION VALUES
KEY RECORDS FOR BUDGET RECORDS, AUDIT RECORDS, STATIC MANAGEMENT RECORDS, UPDATED MANAGEMENT RECORDS, ETC.
• • •
DEVICE DATA TABLE
SITE ID
TIME
ALARMS
TRANSACTION/SEQUENCE #'S
MISCELLANEOUS
MEMORY MAP
MAP METERS
LM/UDT TABLE
TASK MANAGER 576
CHANNEL(S)
SUMMARY SERVICES 560
SECURE DATABASE TAGS
SRN ENTRIES
HASH ENTRIES

•
•
•

FIG. 14B

FIG. 14C

STACK	
•	
CHANNEL SWAP BLOCK	CHANNEL LM
	CHANNEL HEADER & D1
CONTROL SWAP BLOCK	CONTROL LM
	CONTROL D1
	COMMIT LM
	COMMIT D1, D2, D3
EVENT SWAP BLOCK	EVENT LM
	MAP TABLE (SINGLE) D1
METER SWAP BLOCK	METER LM
	METER UDE DELTA,DELTA'
	METER TRAIL LM
	METER TRAIL UDE
	DELTA,DELTA'
BUDGET SWAP BLOCK	METER LM
	METER UDE DELTA,DELTA'
	METER TRAIL LM
	METER TRAIL UDE
	DELTA,DELTA'
BILLING SWAP BLOCK	BILLING LM
	METER UDE
	BUDGET UDE
	BILLING TABLE UDE
	BILLING TRAIL LM
	BILLING TRAIL UDE DELTA'

•

FIG. 15A

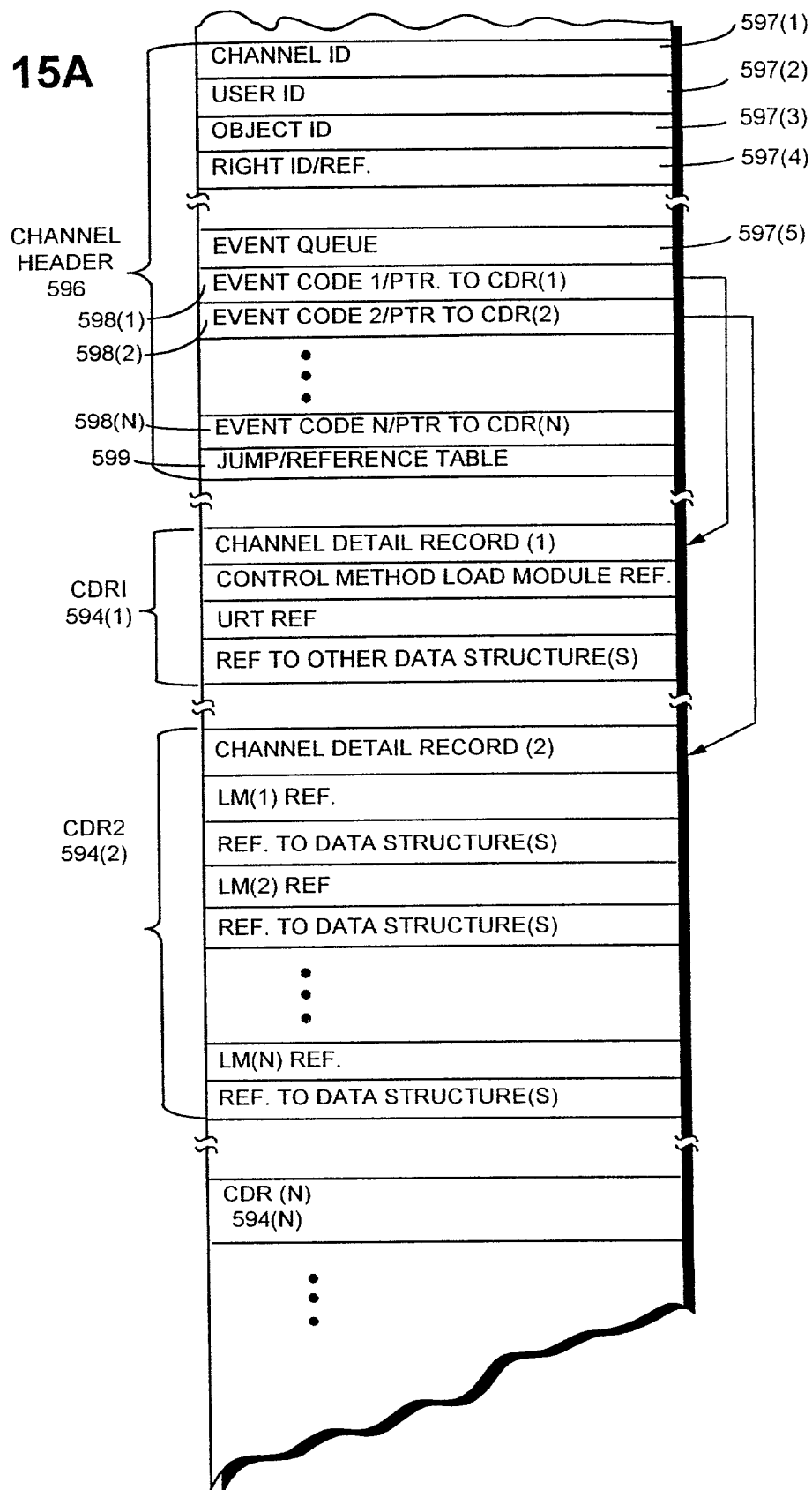
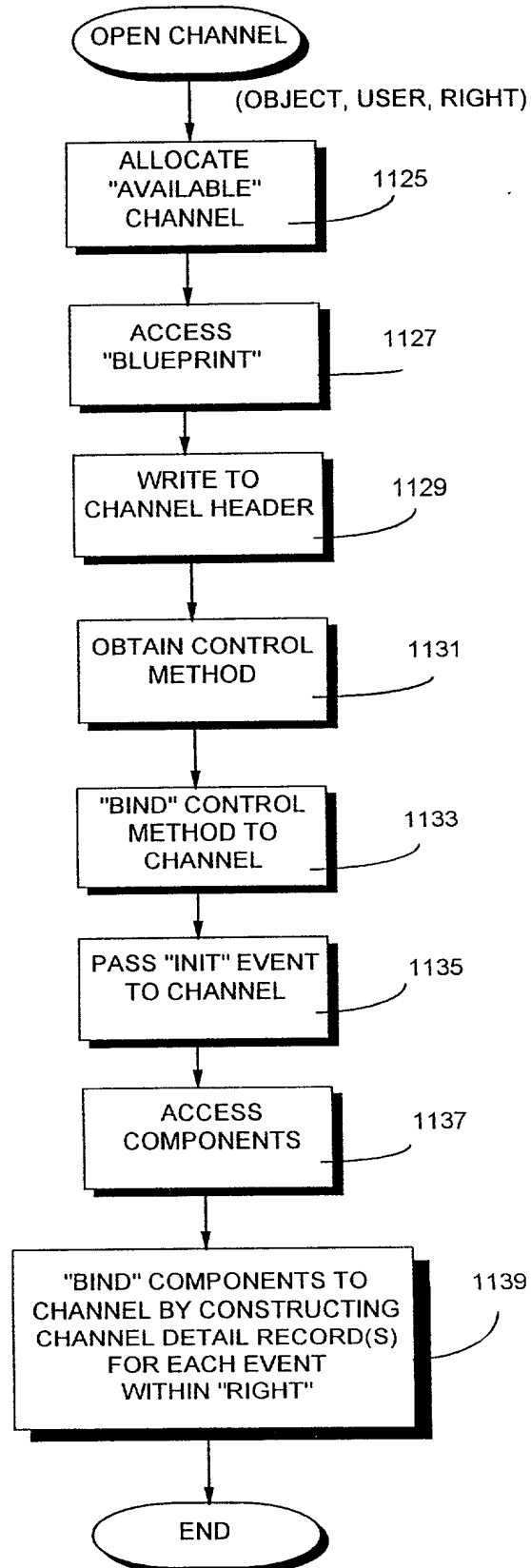


FIG. 15B



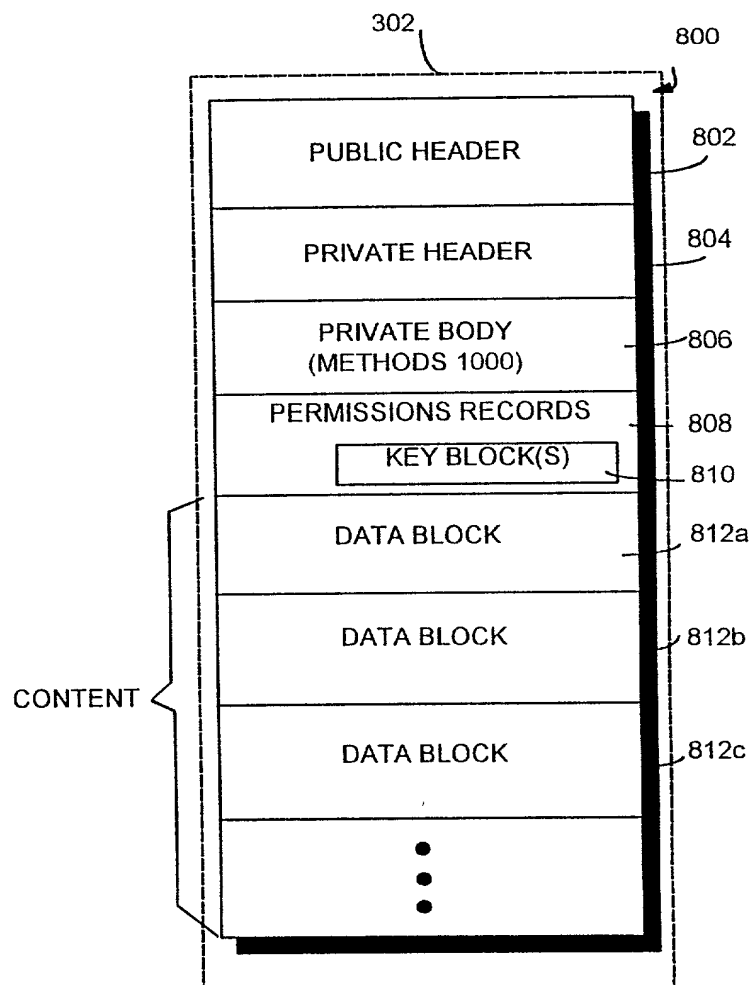


FIG. 17

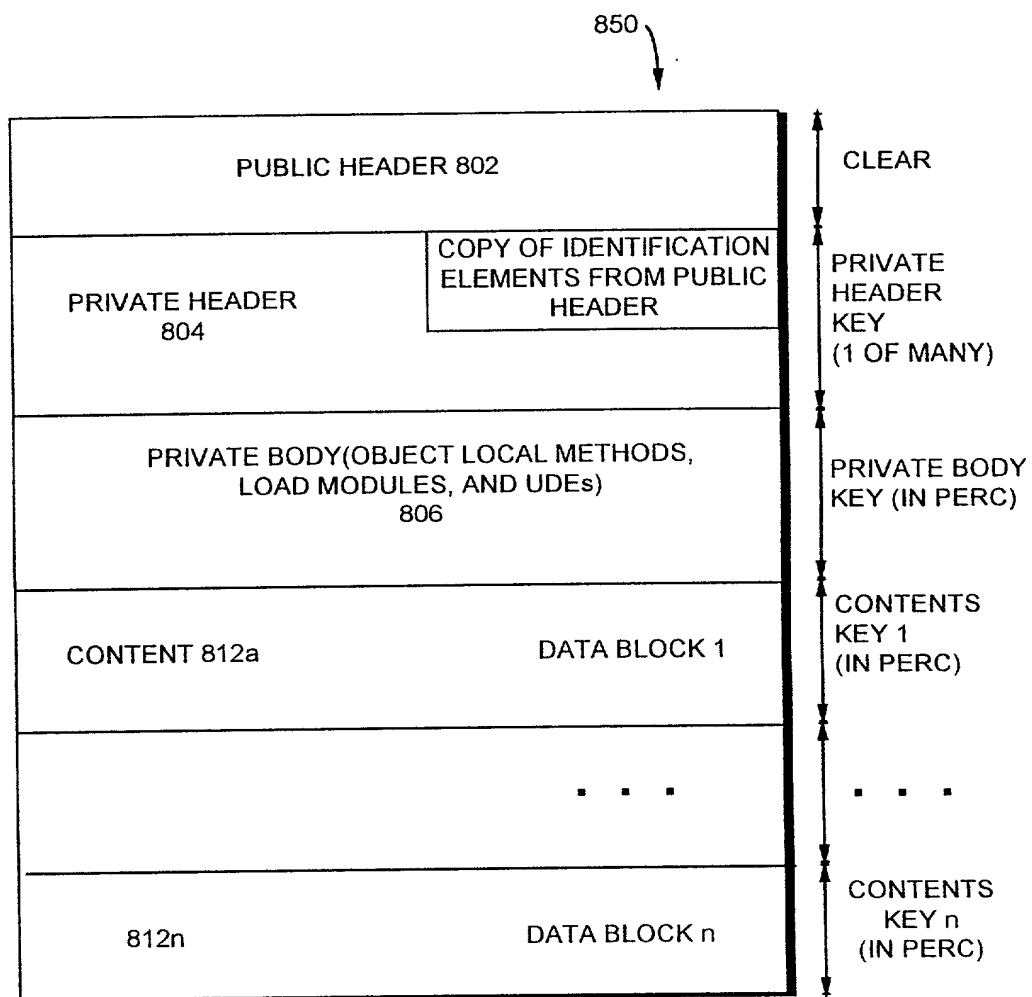


FIG. 18

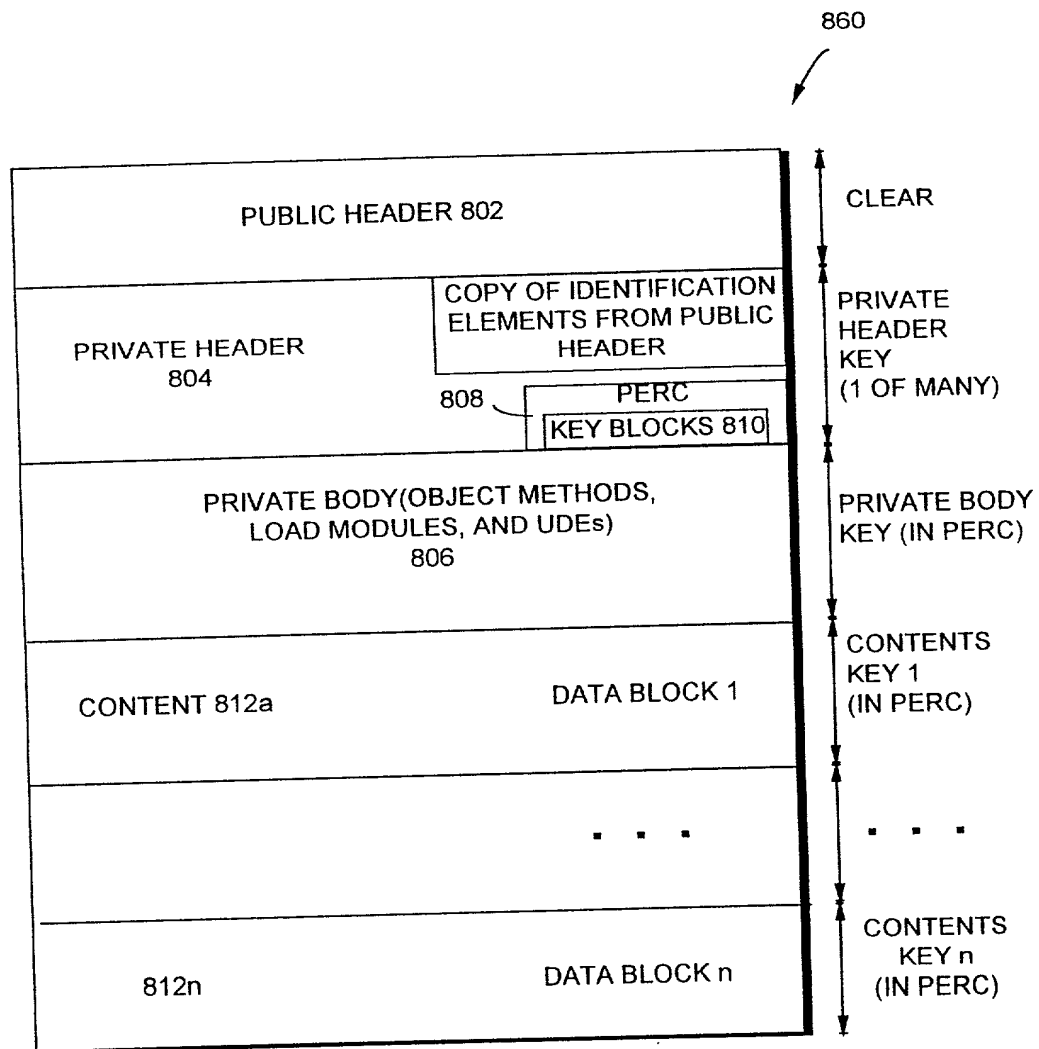


FIG. 19

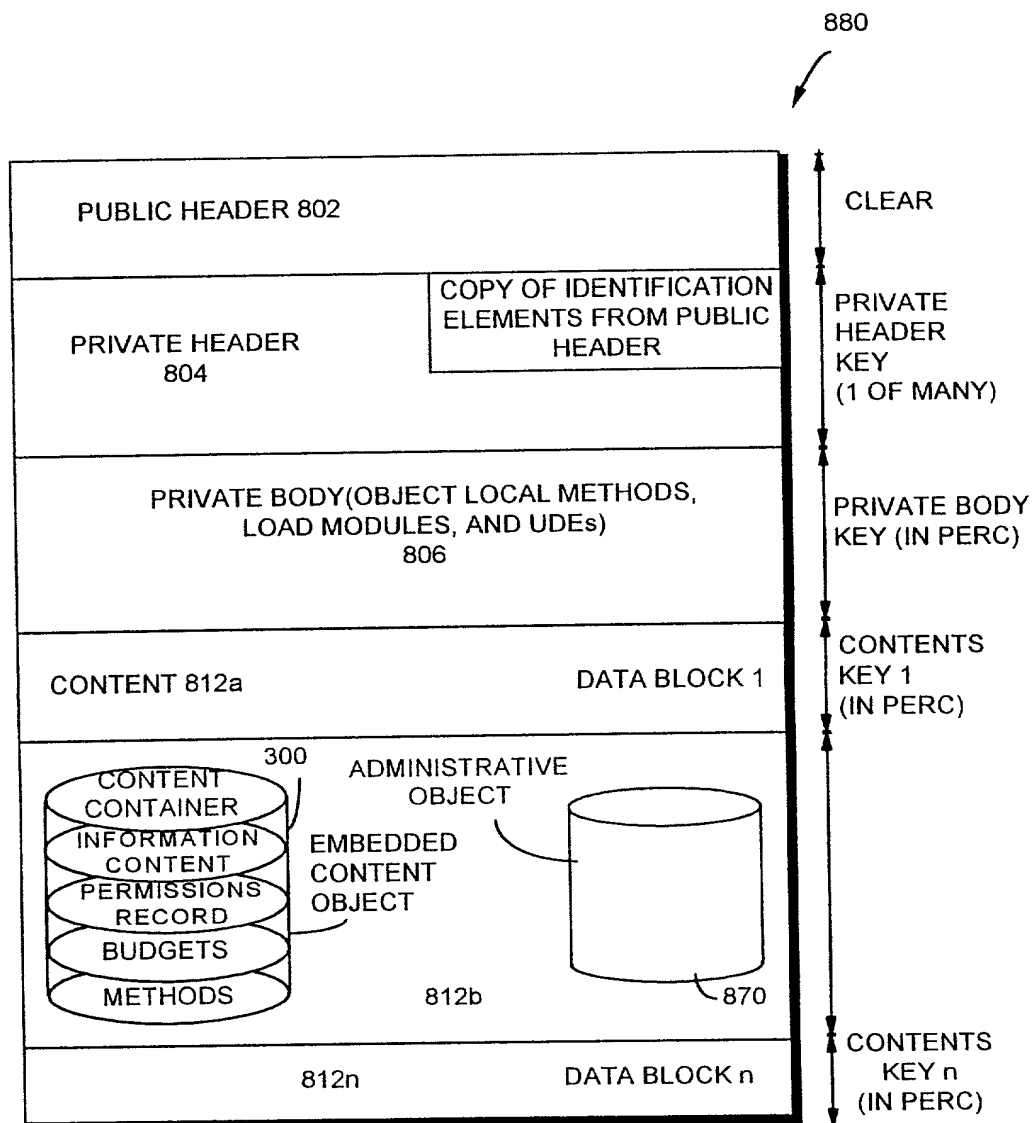


FIG. 20

2025 RELEASE UNDER E.O. 14176

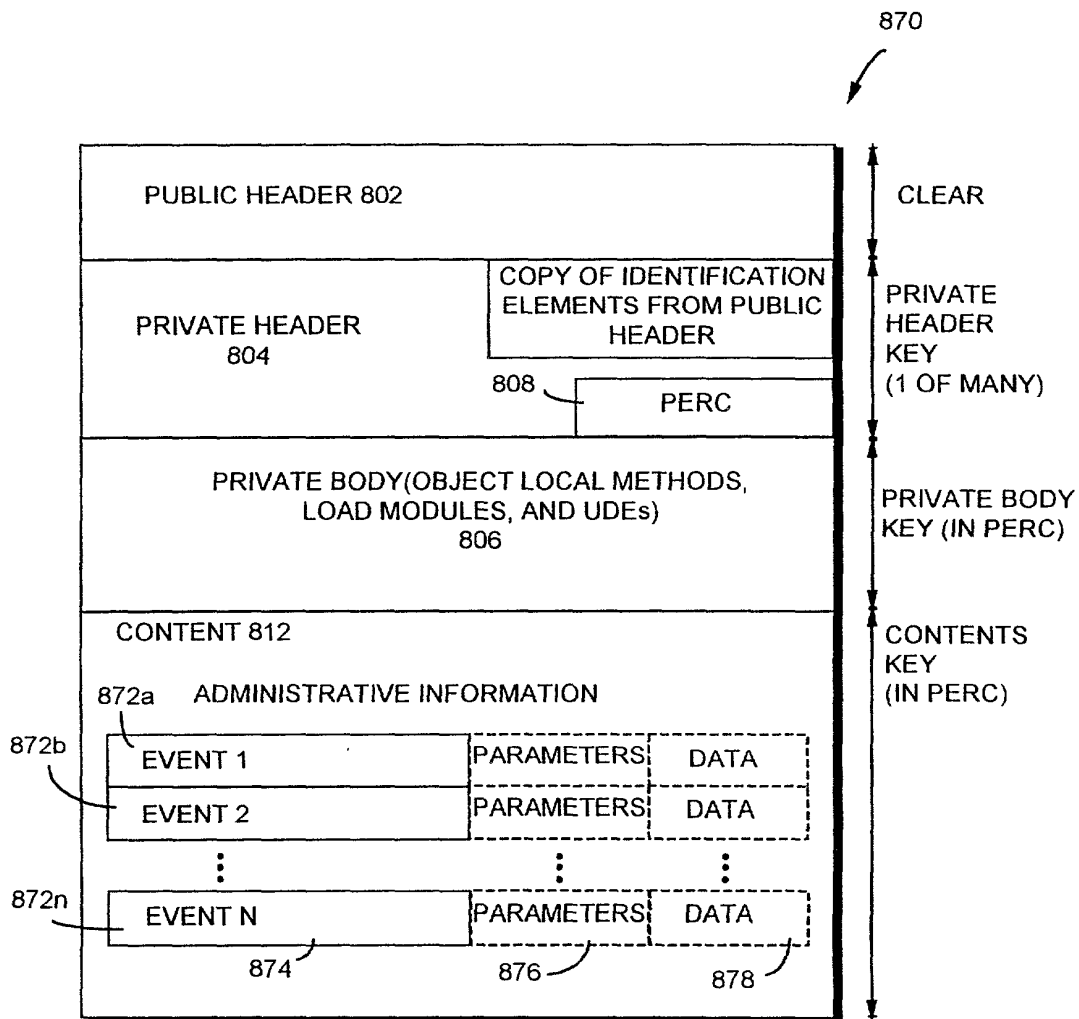


FIG. 21

FIG. 22

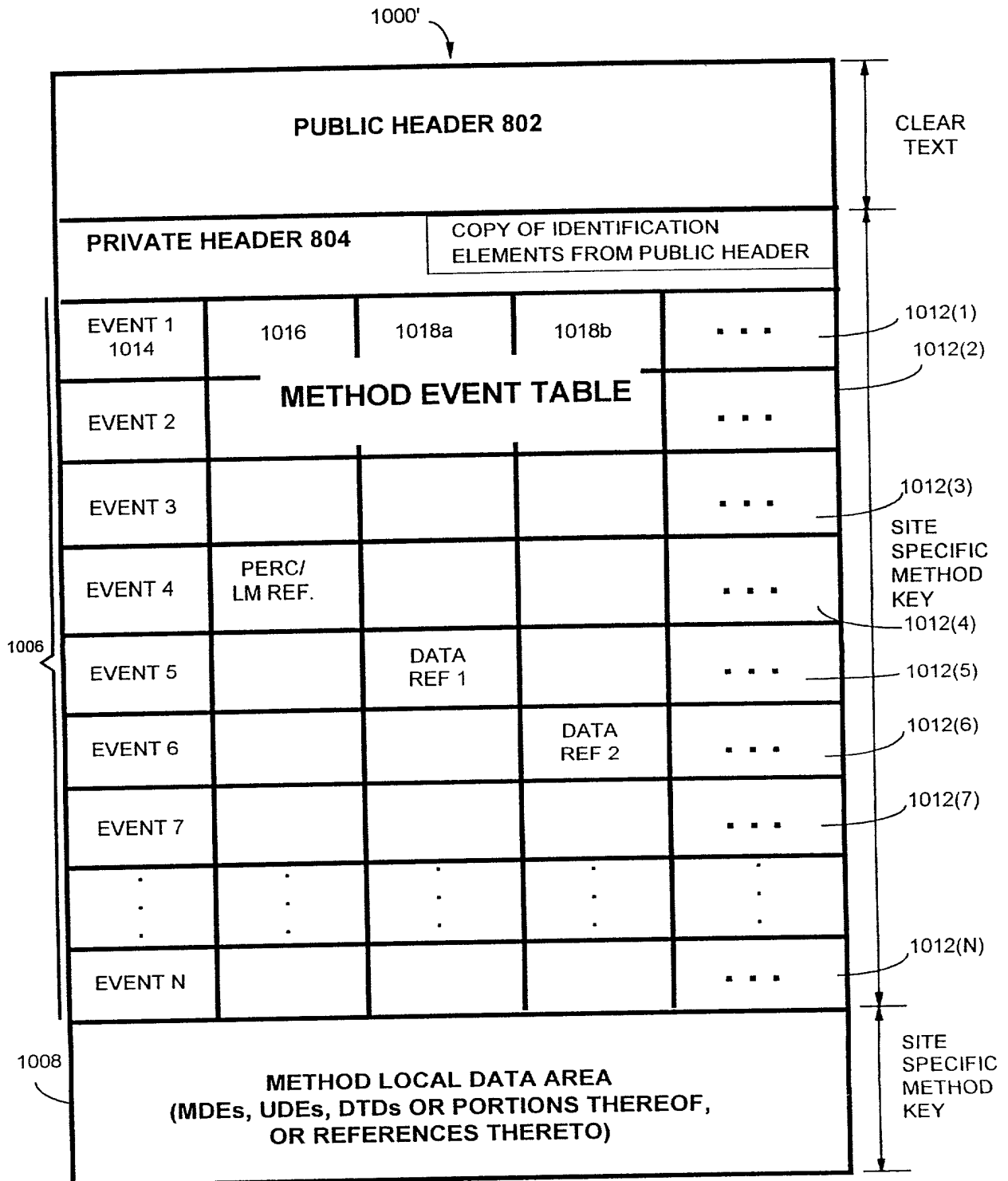


FIG. 23

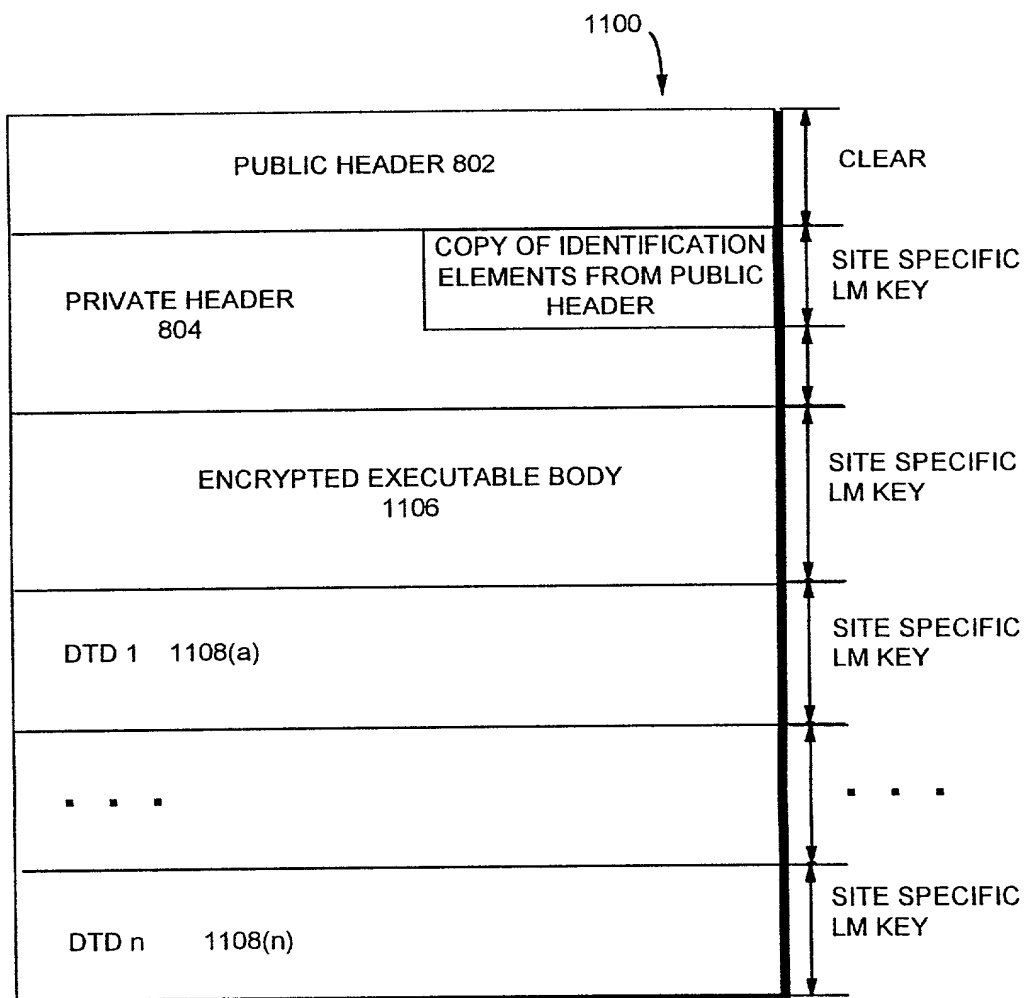


FIG. 24

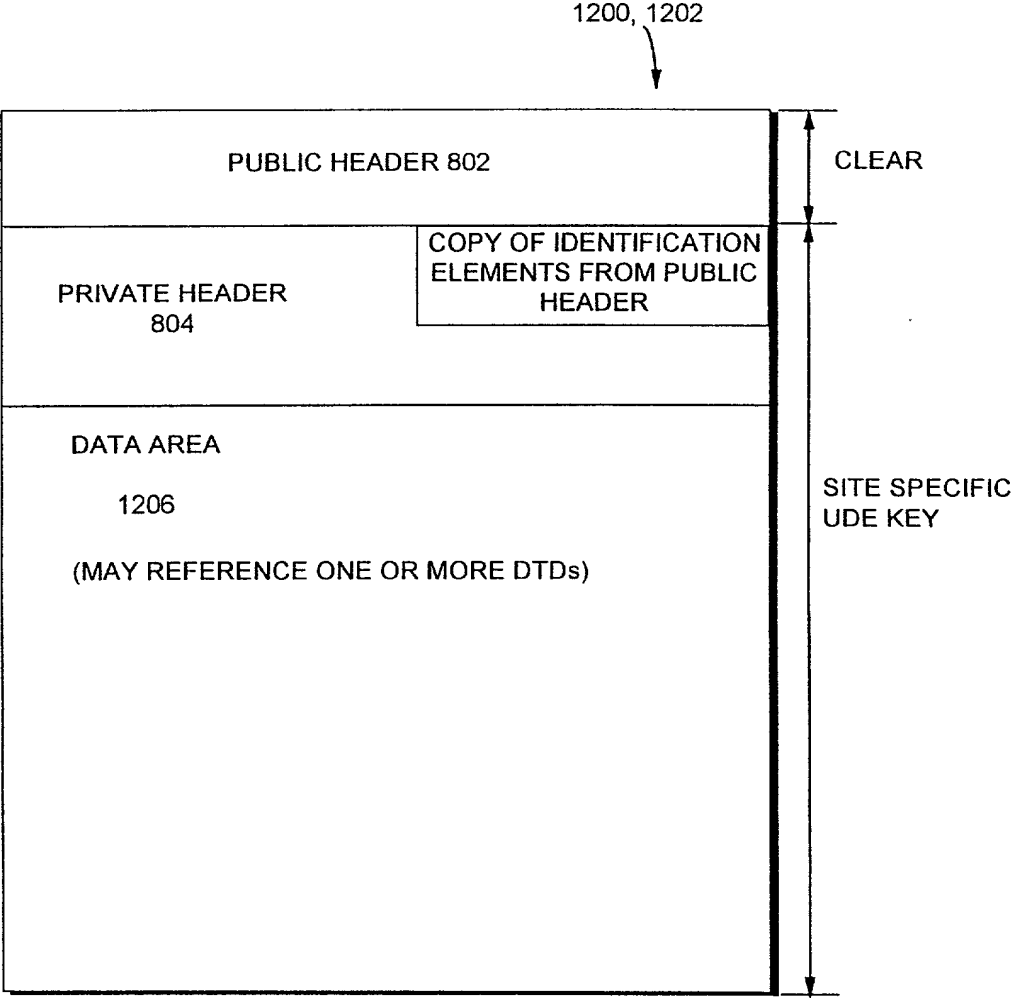


FIG. 25A

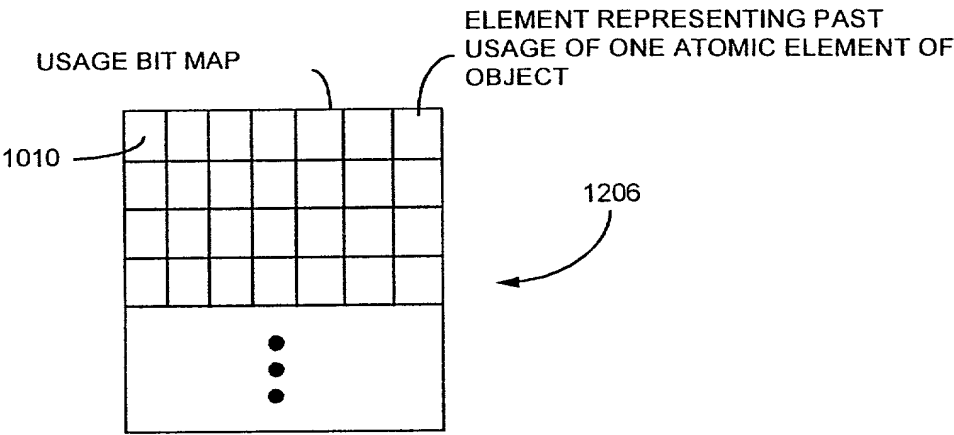


FIG. 25B

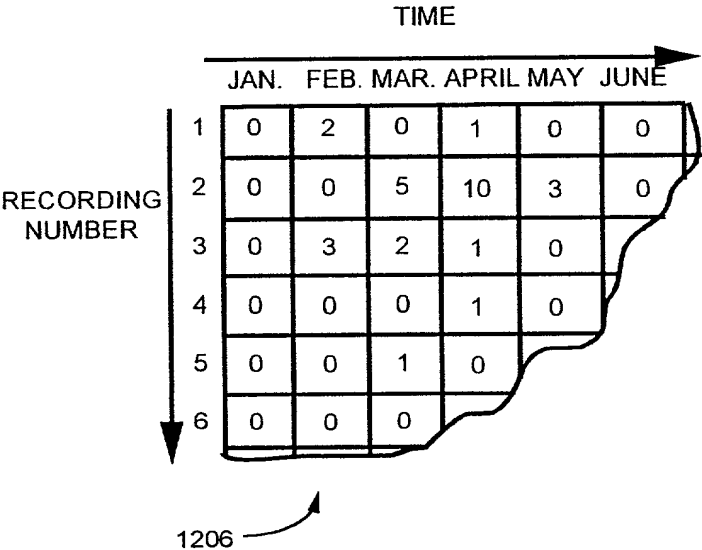


FIG. 25C

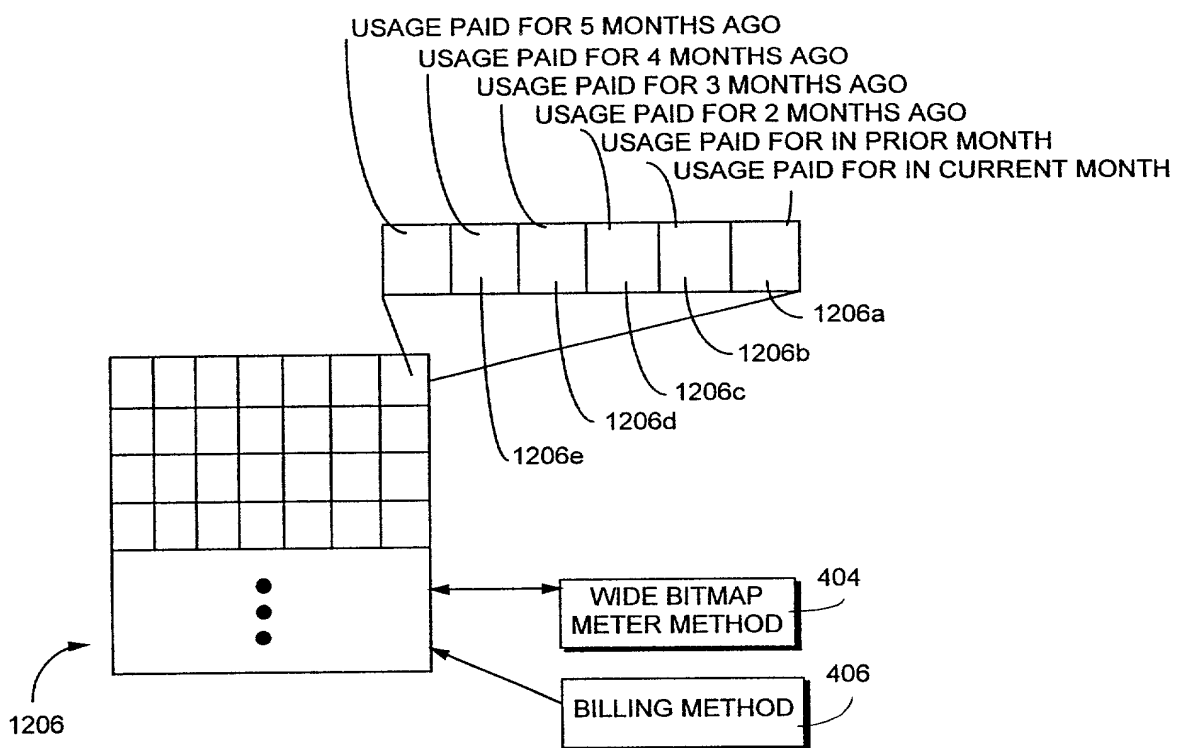


FIG. 26

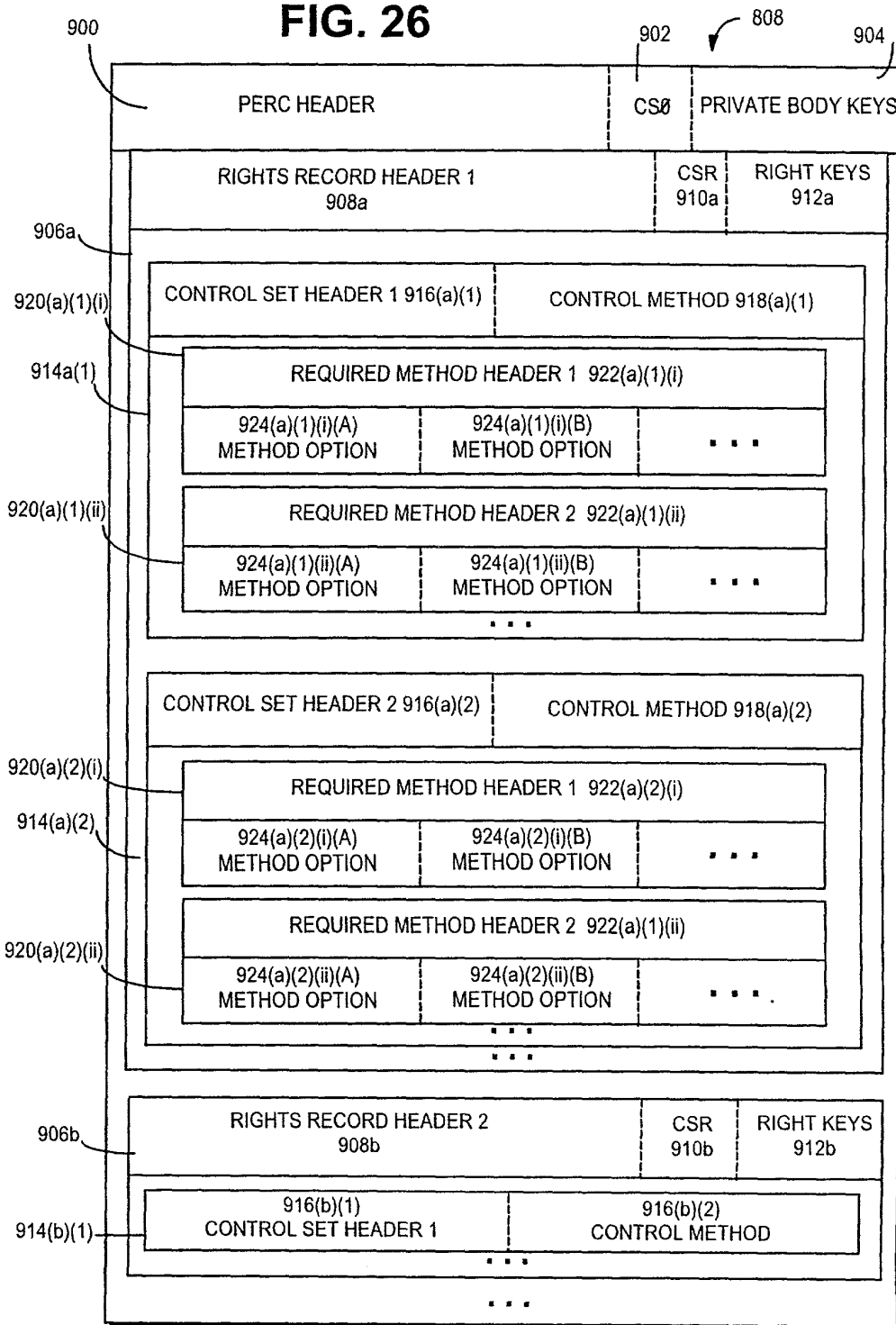


FIG. 26A

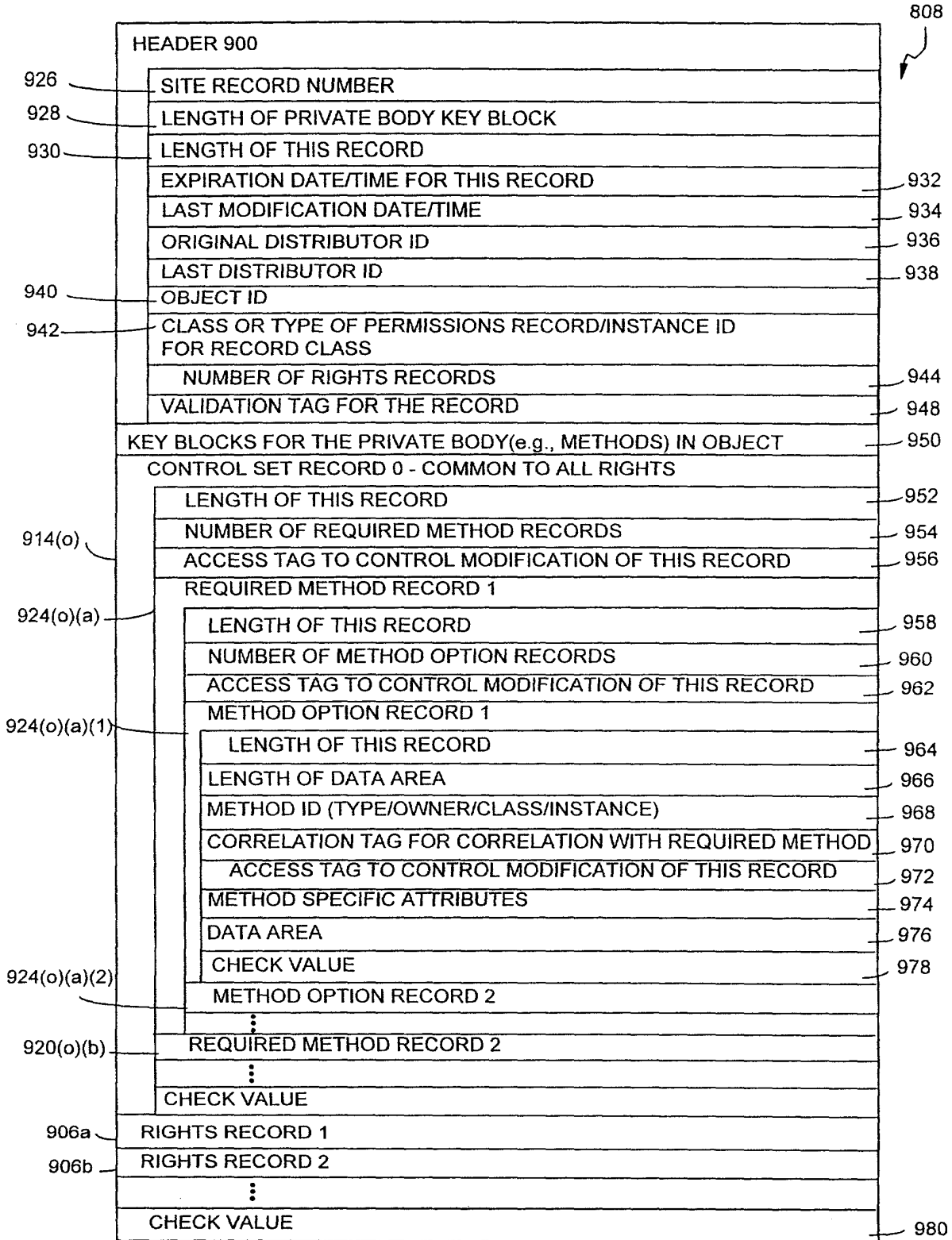


FIG. 26B

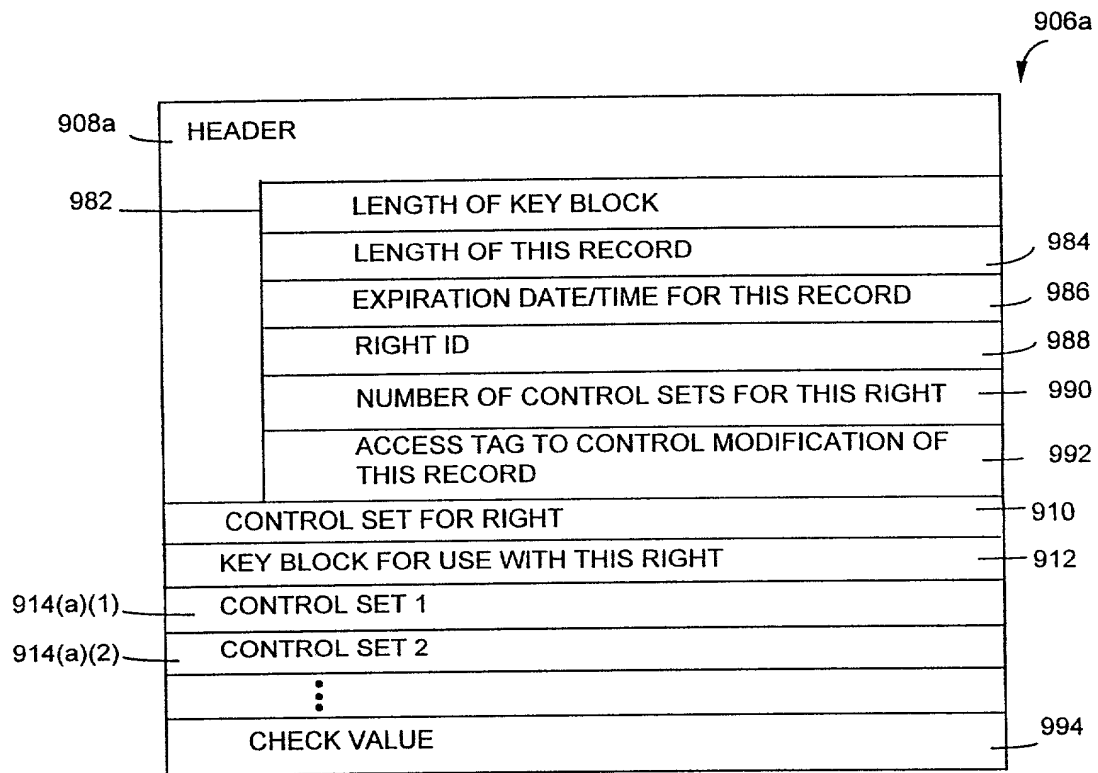


FIG. 27

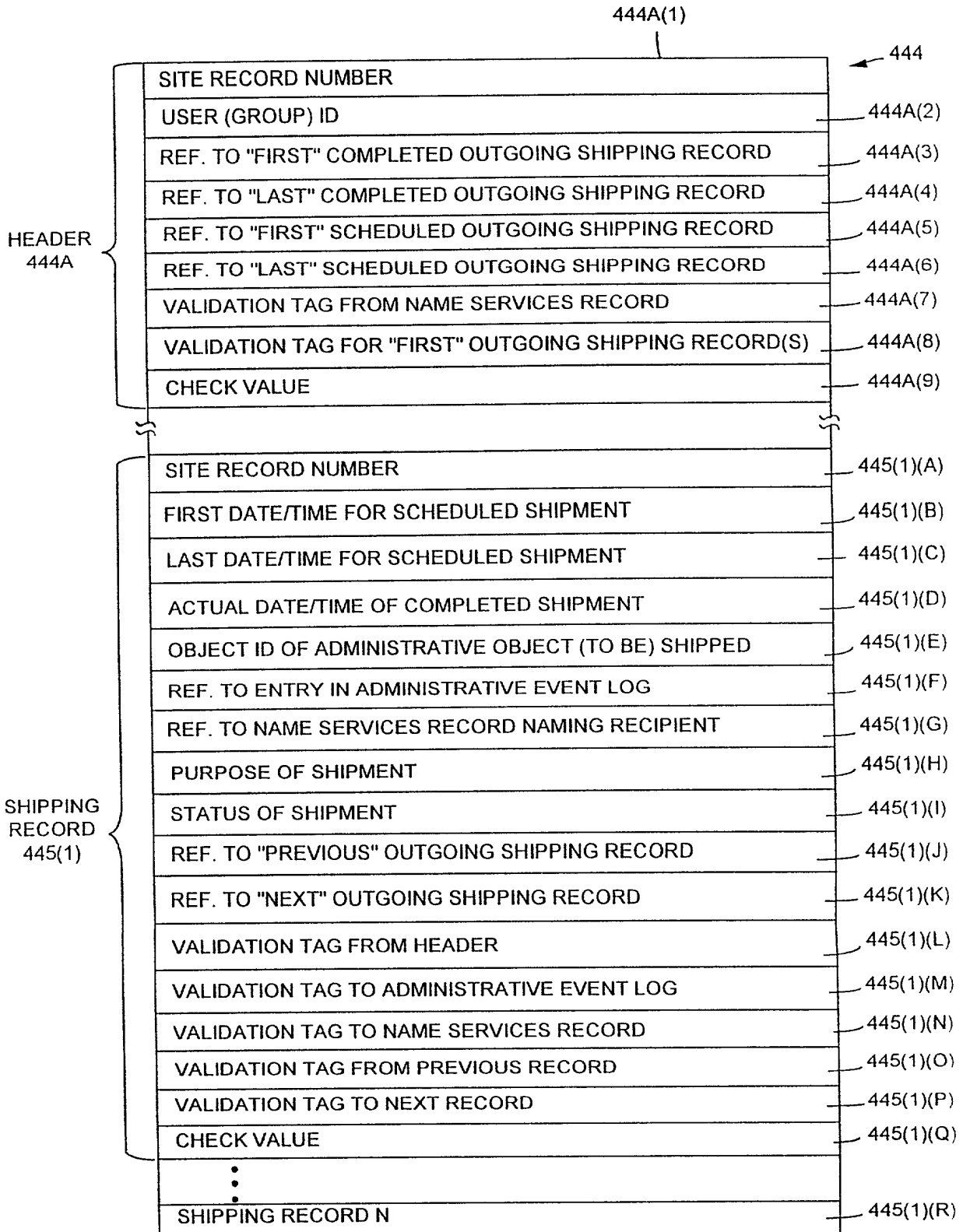


FIG. 28

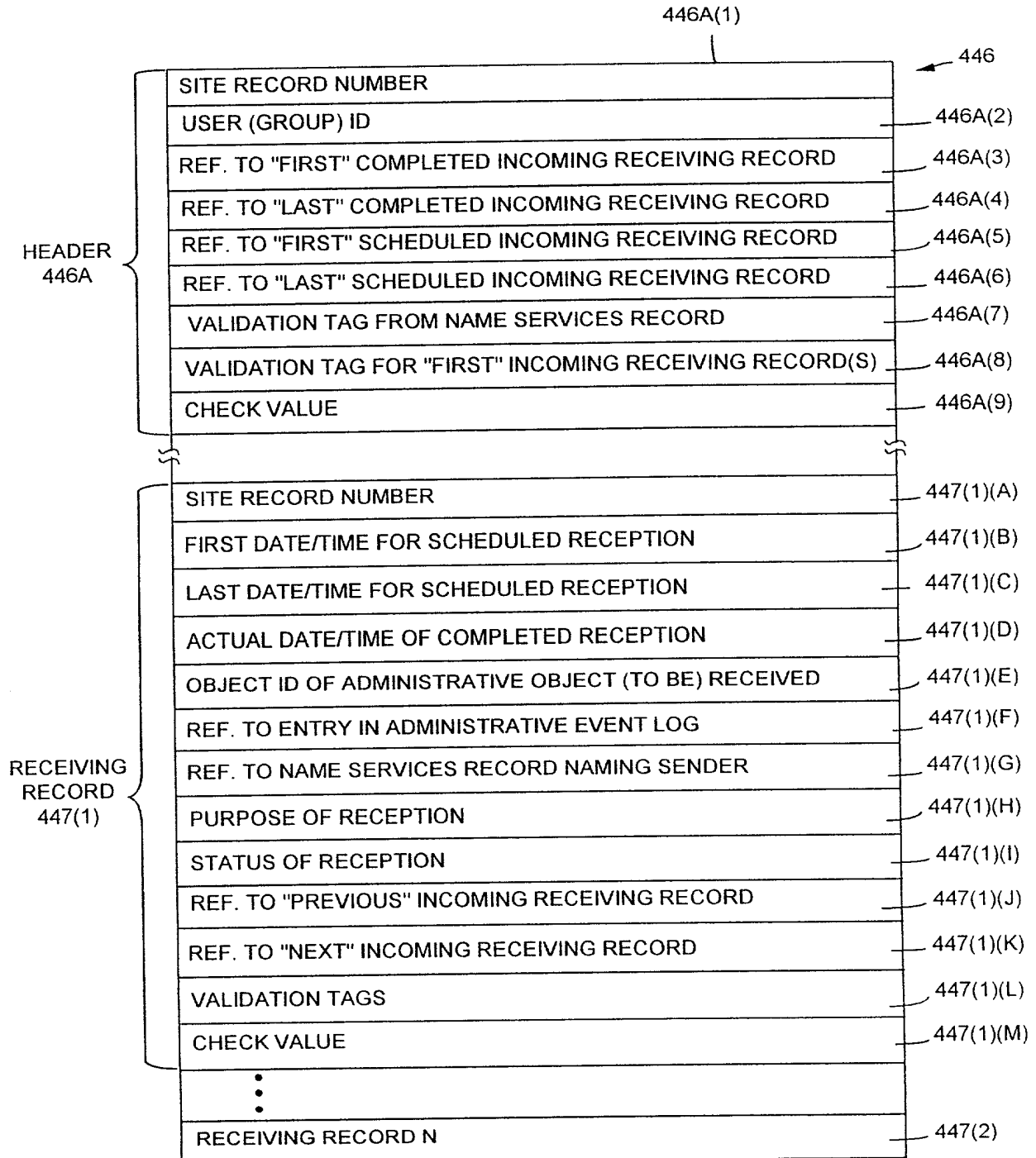
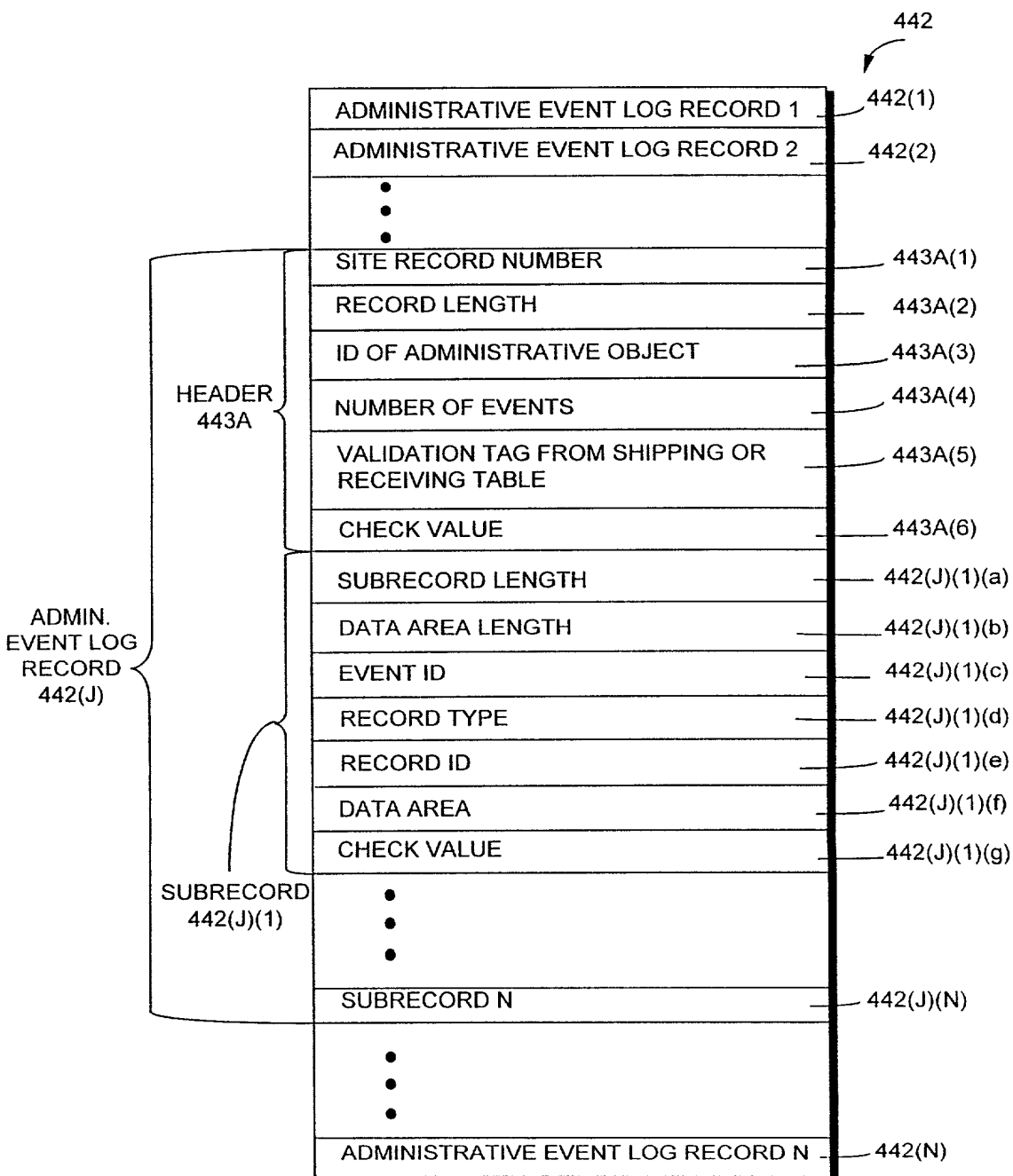


FIG. 29



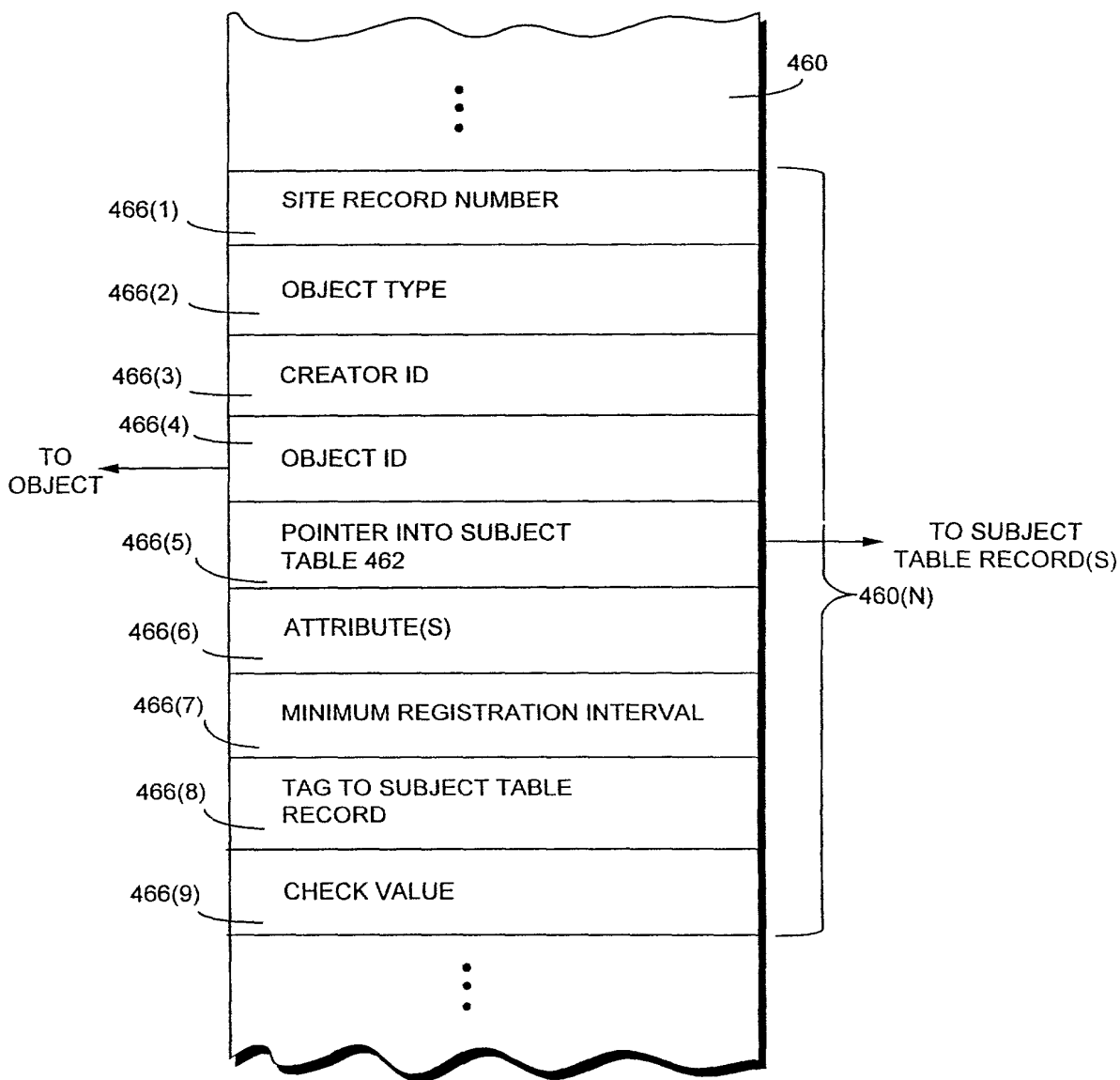


FIG. 31

FIG. 32

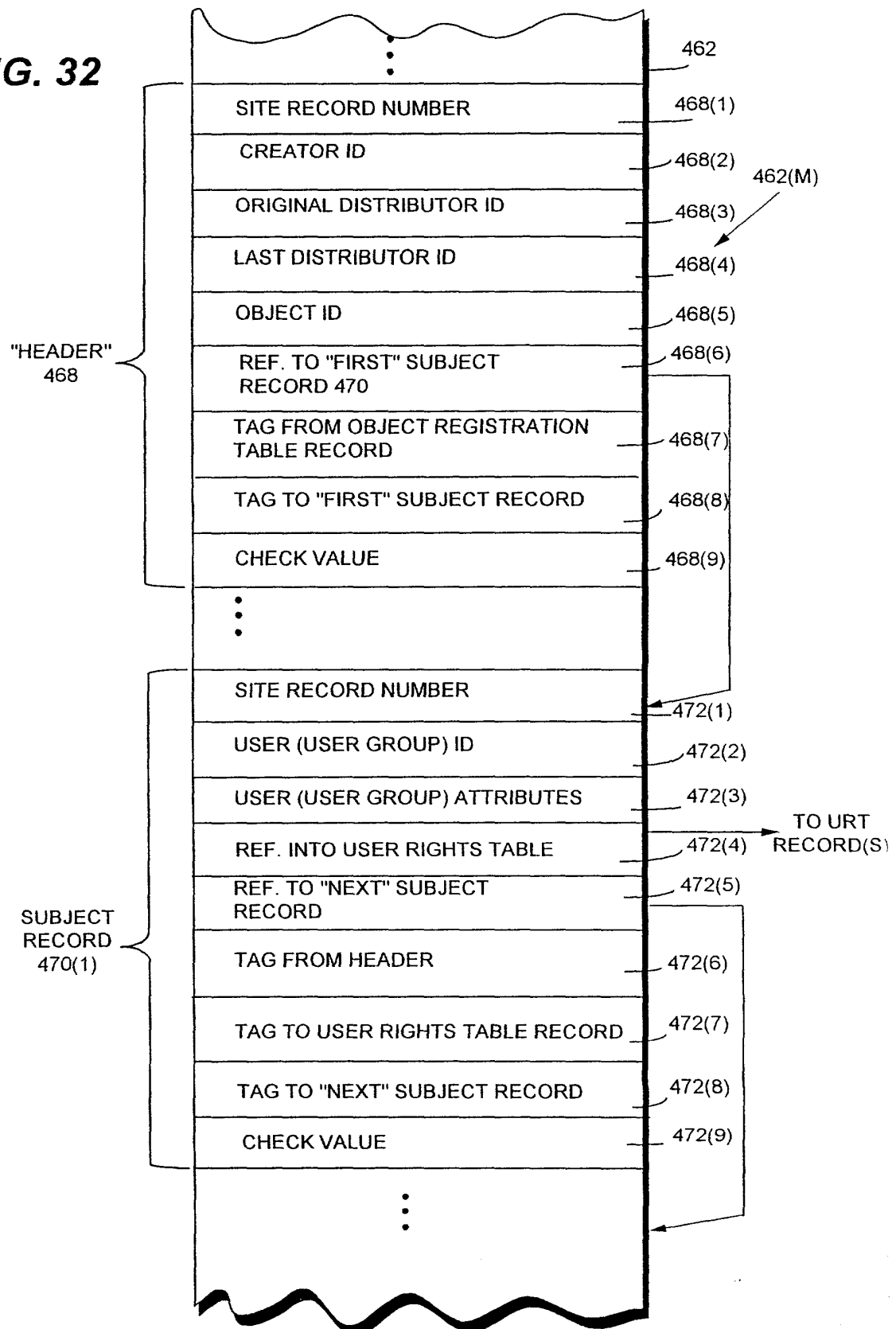


FIG. 33

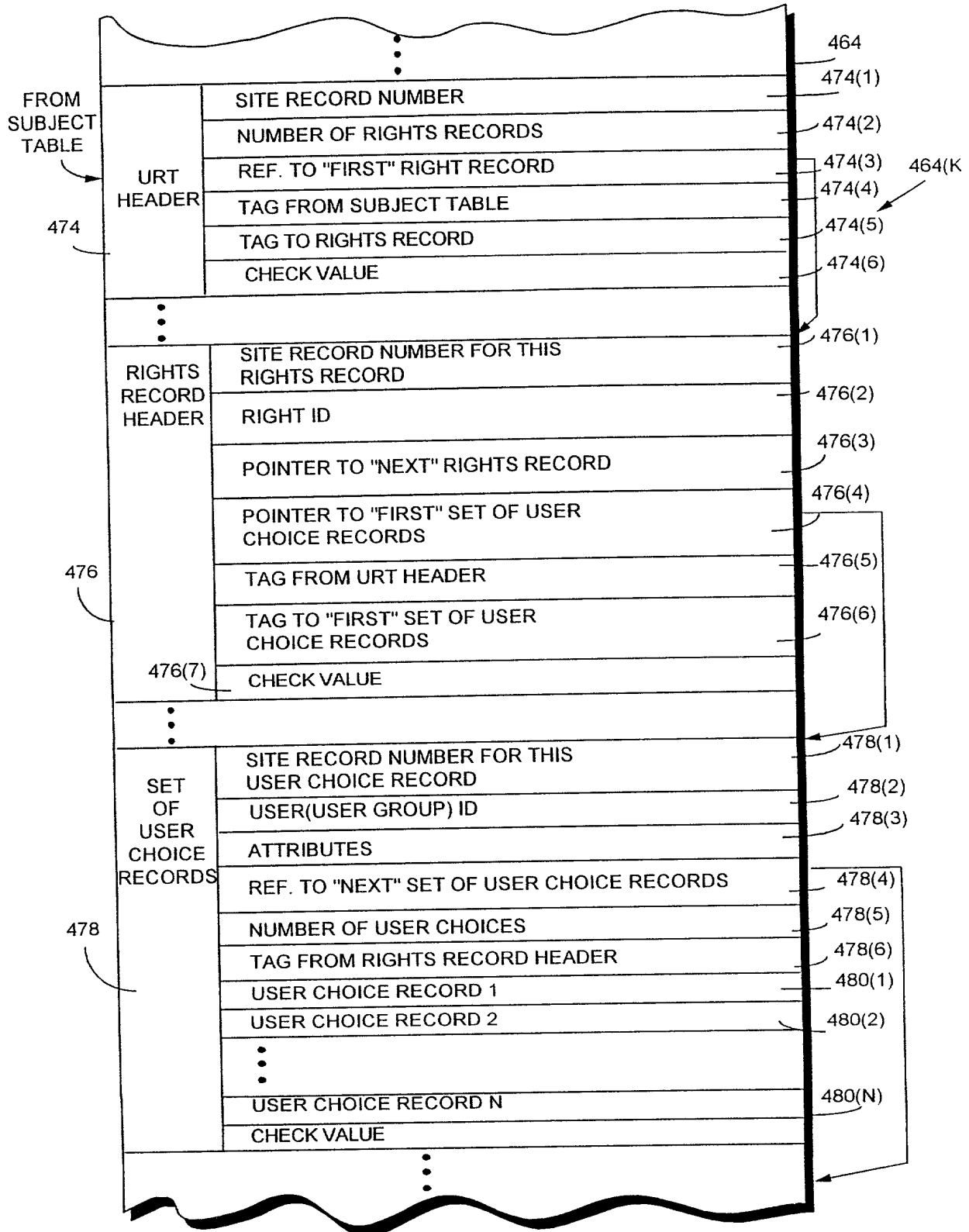


FIG. 34

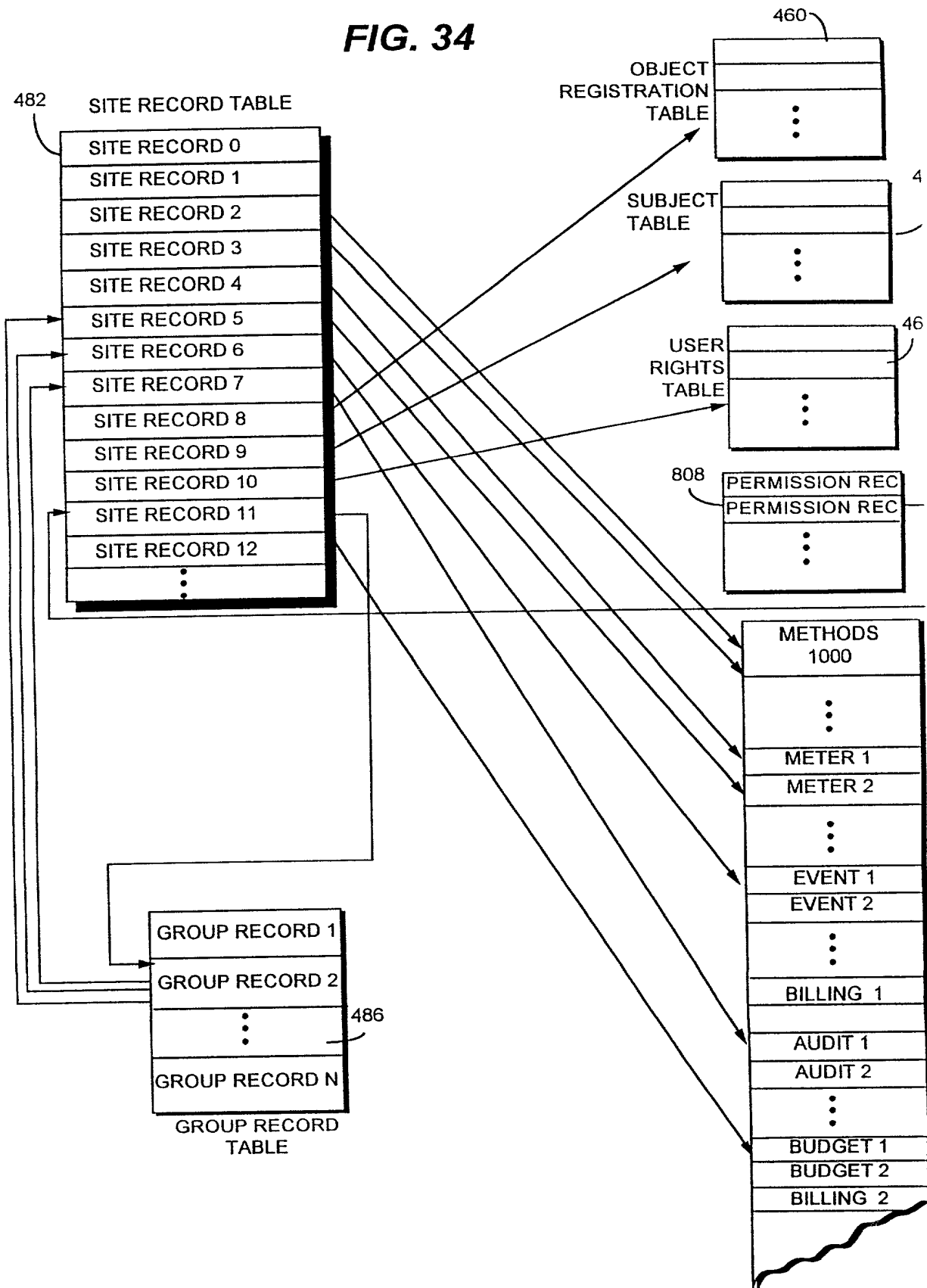


FIG. 34A

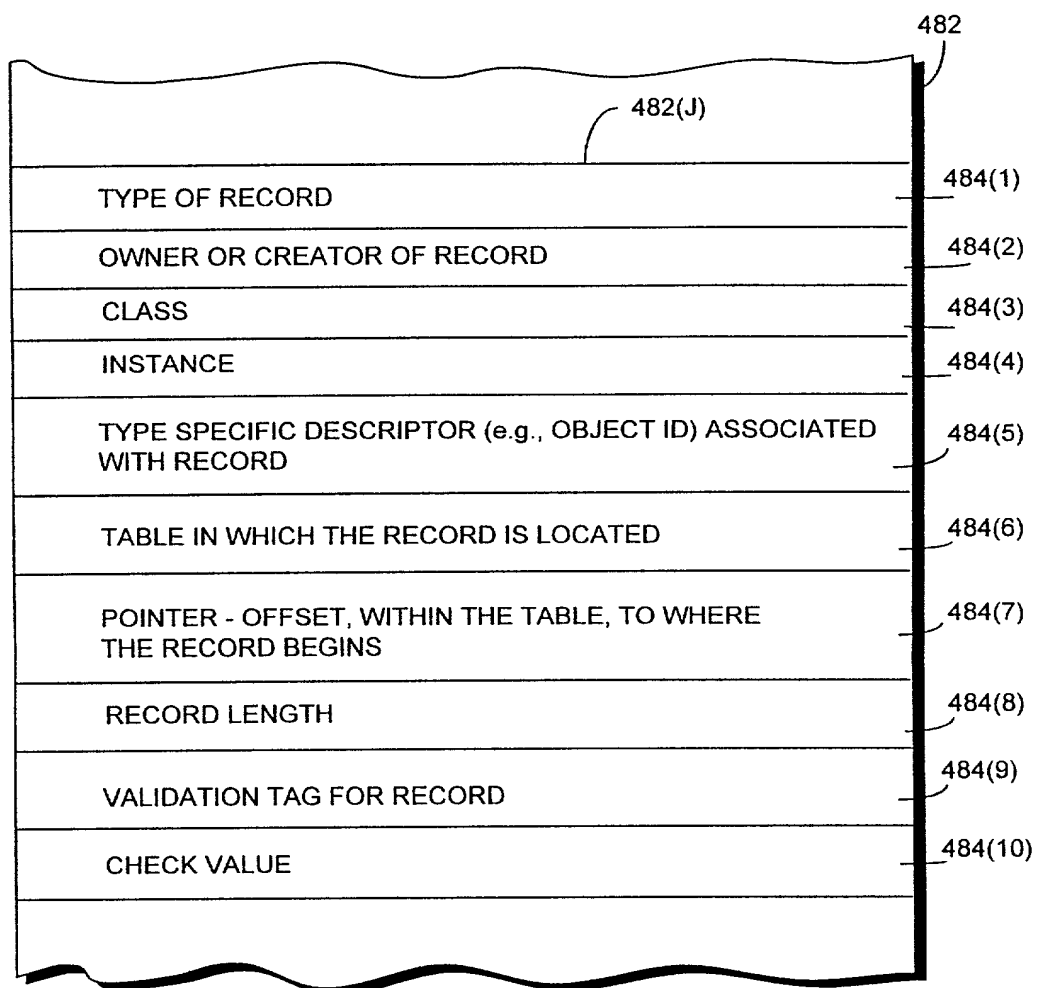


FIG. 34B

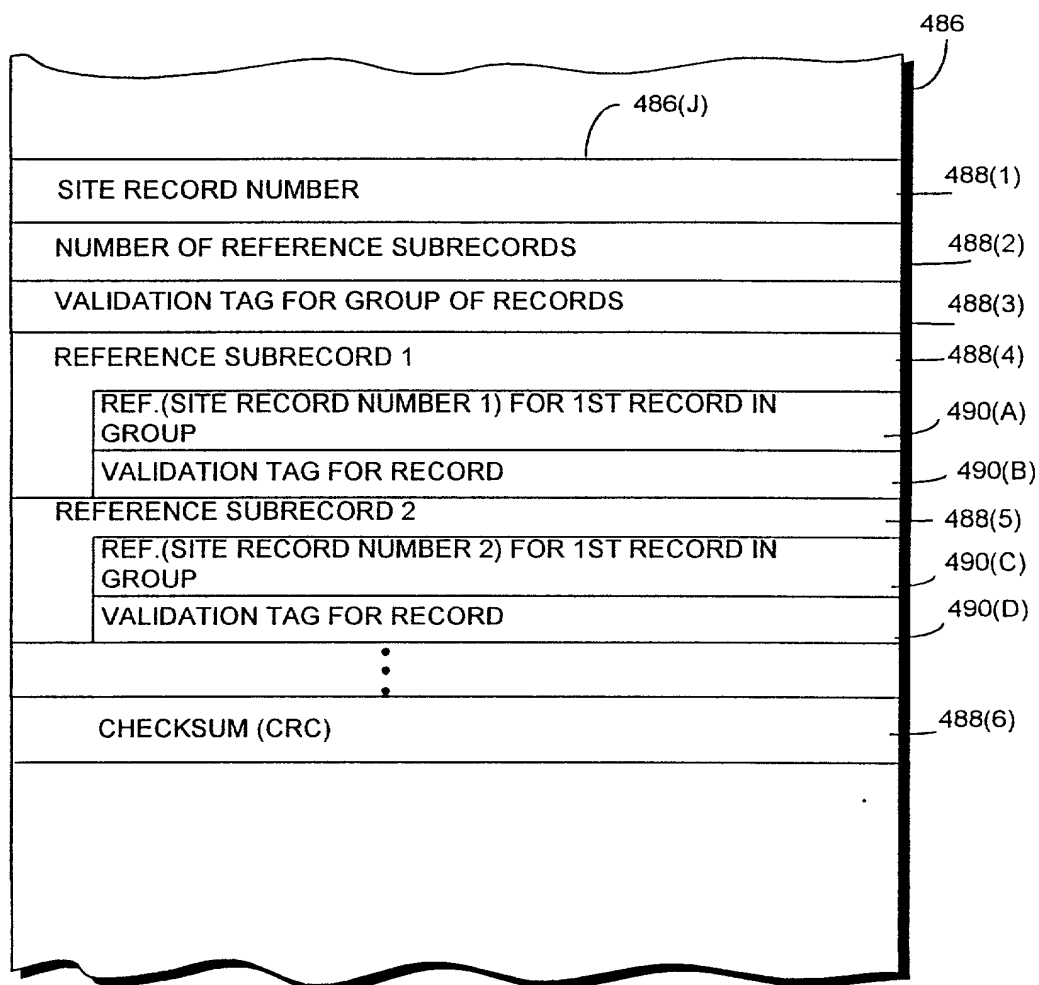


FIG. 35

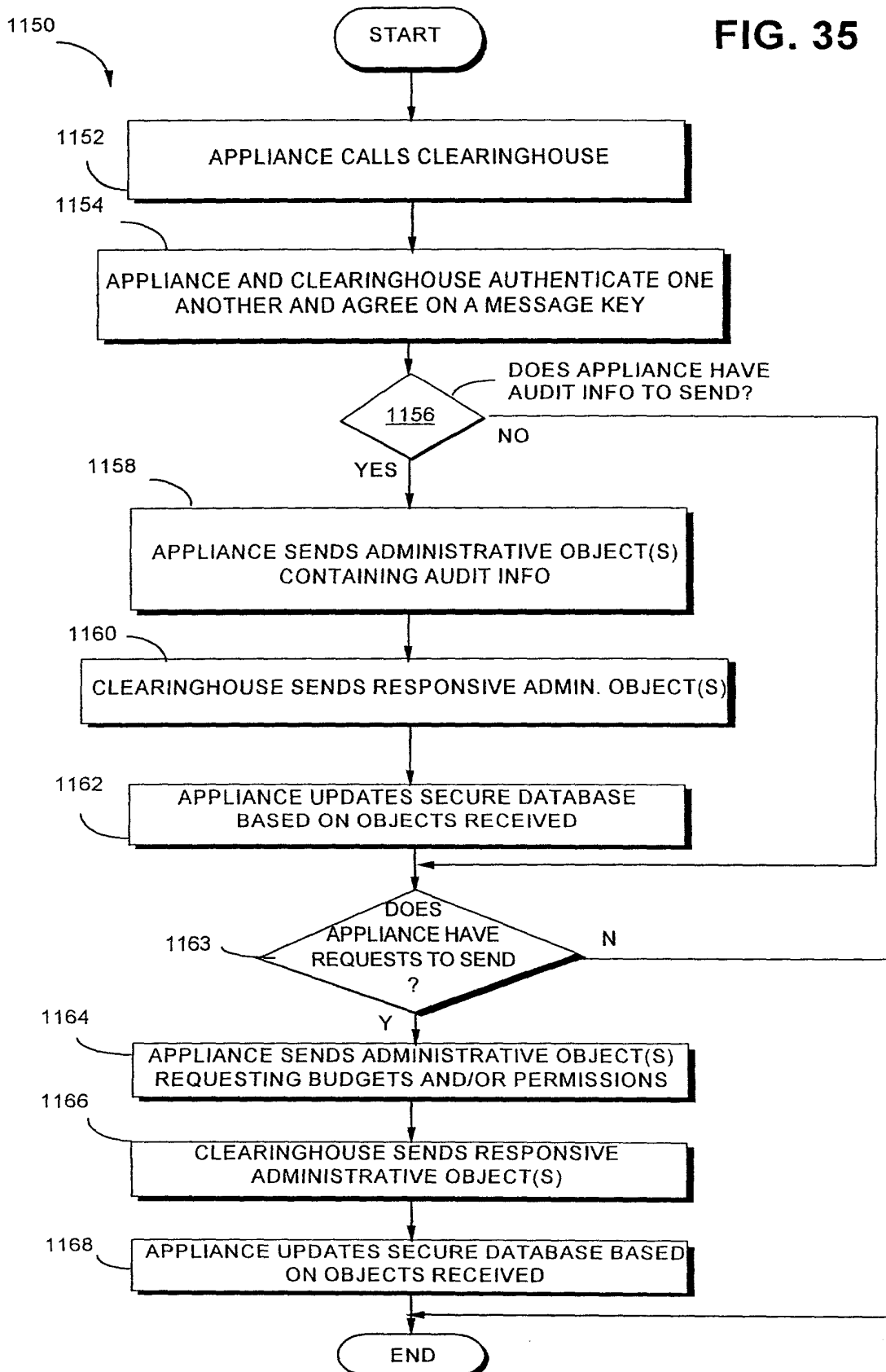


FIG. 36

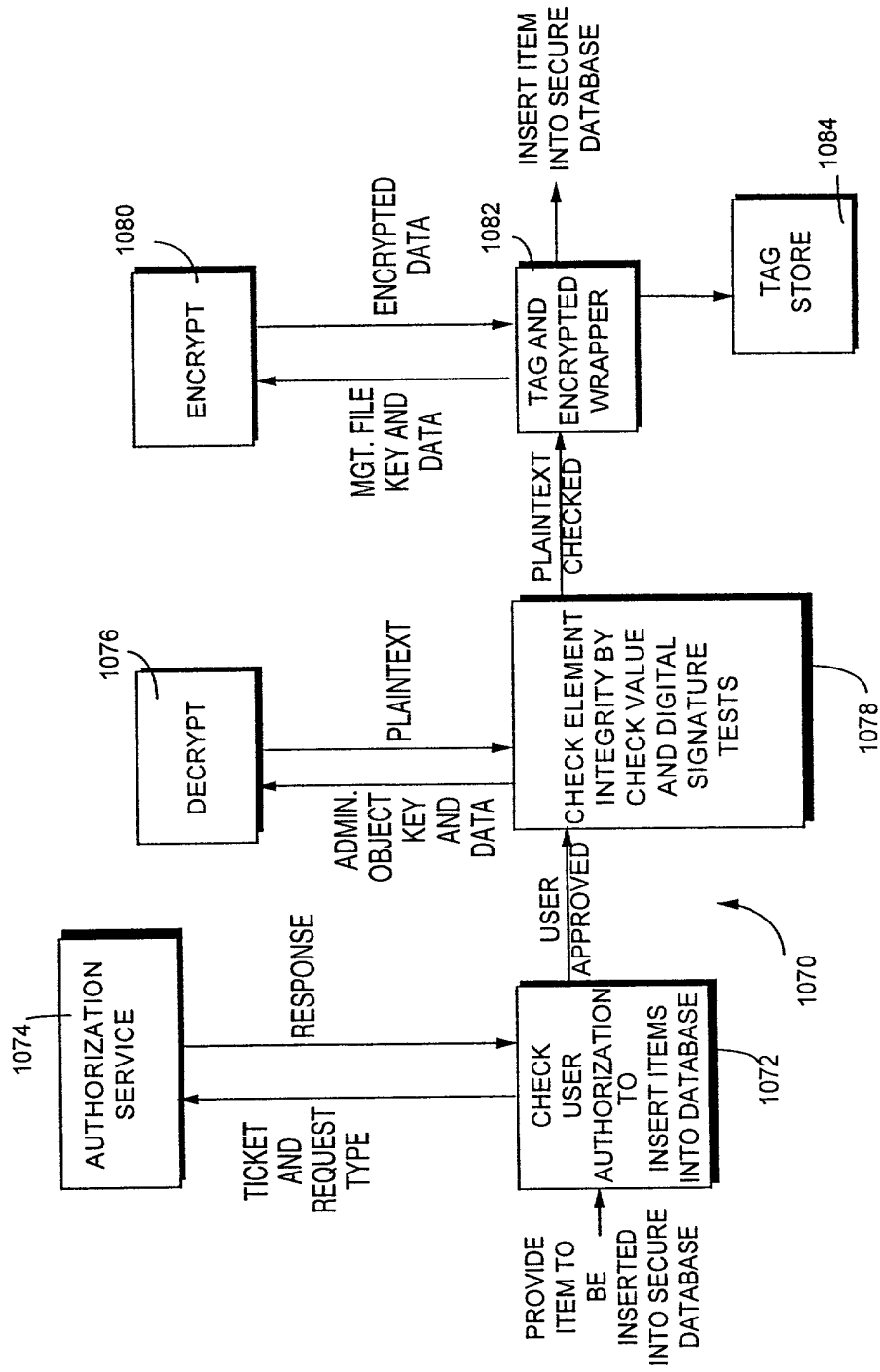


FIG. 37

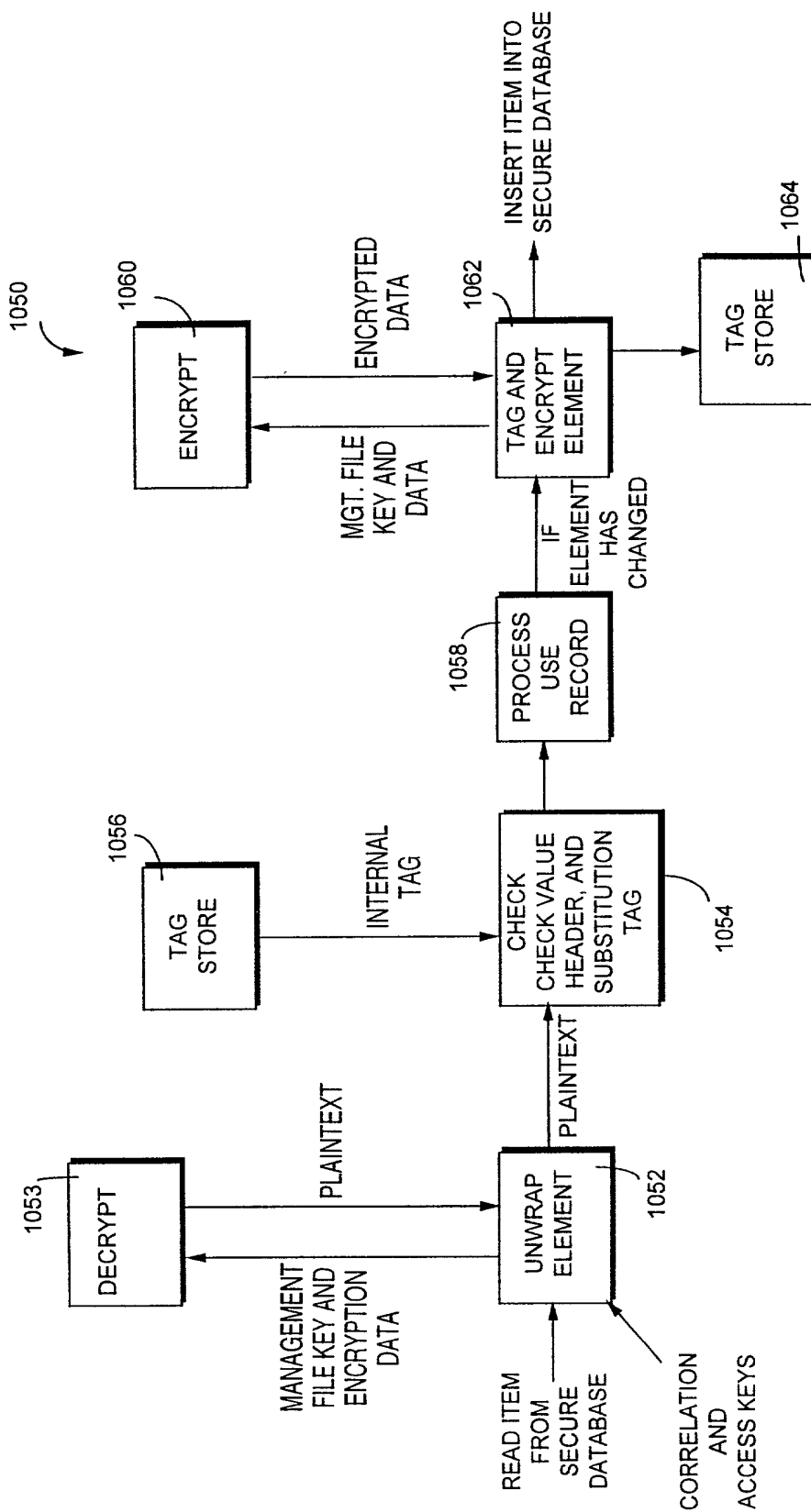


FIG. 38

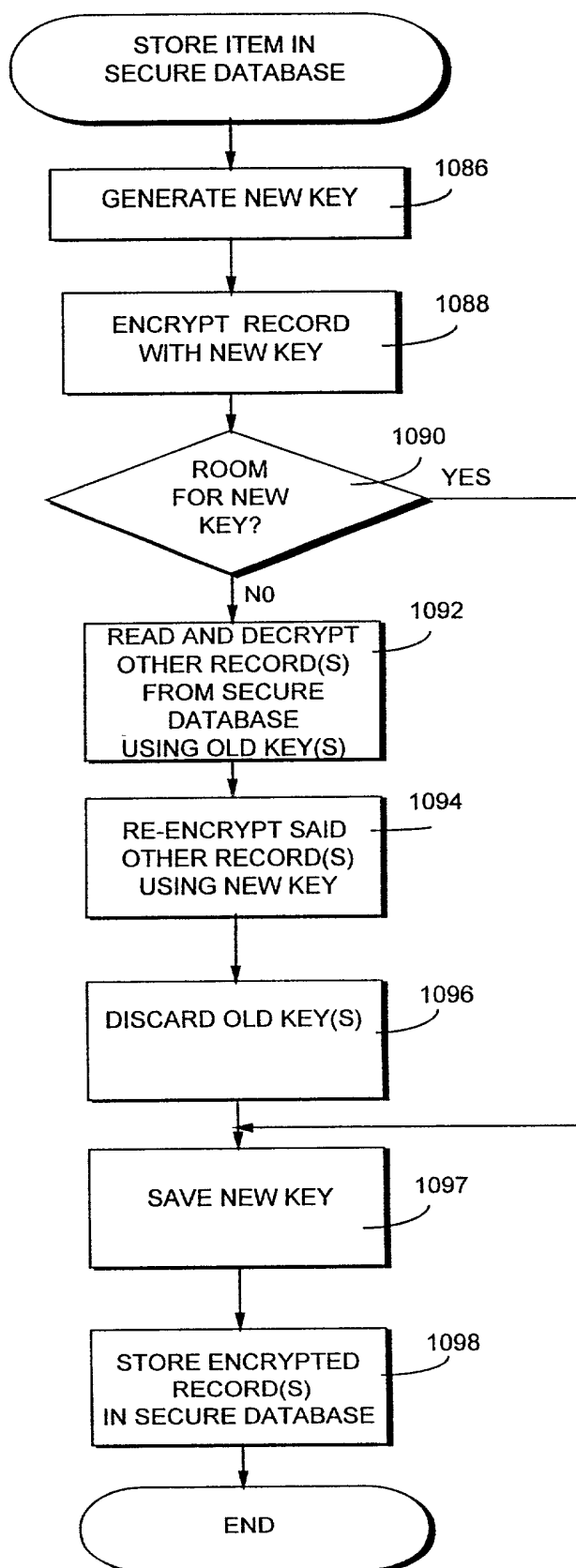


FIG. 39

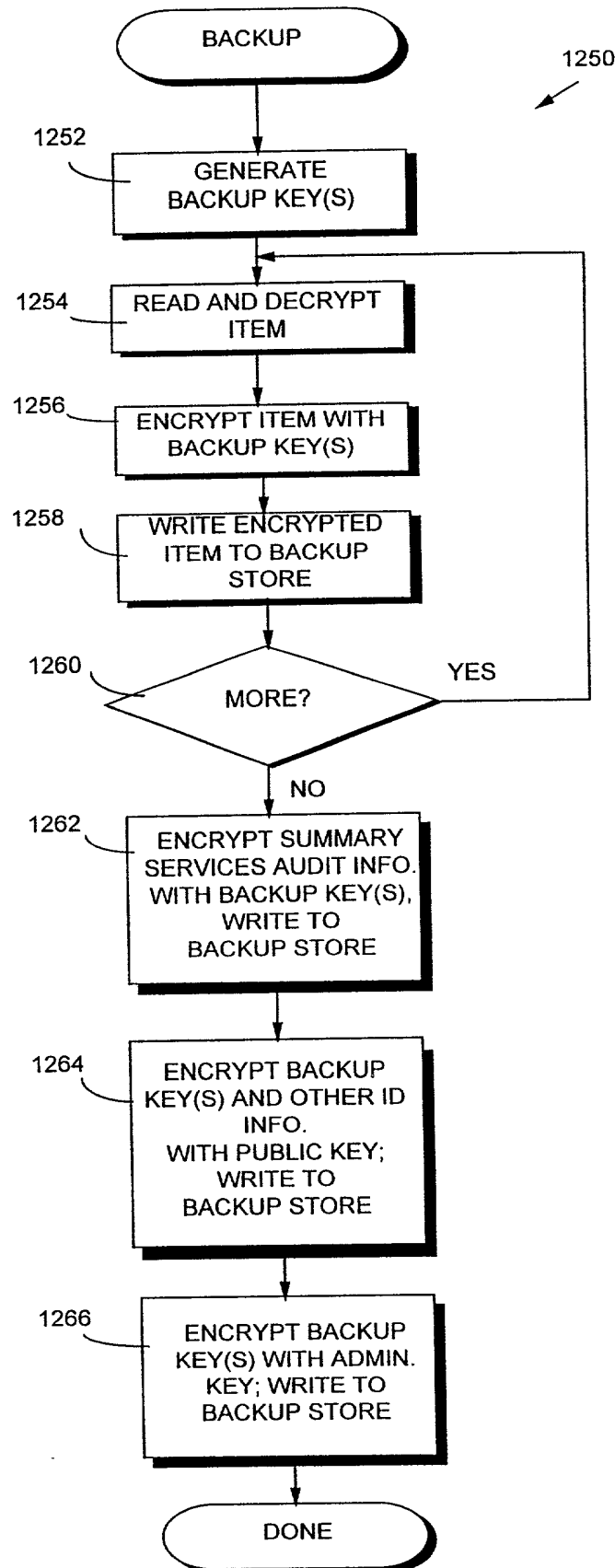
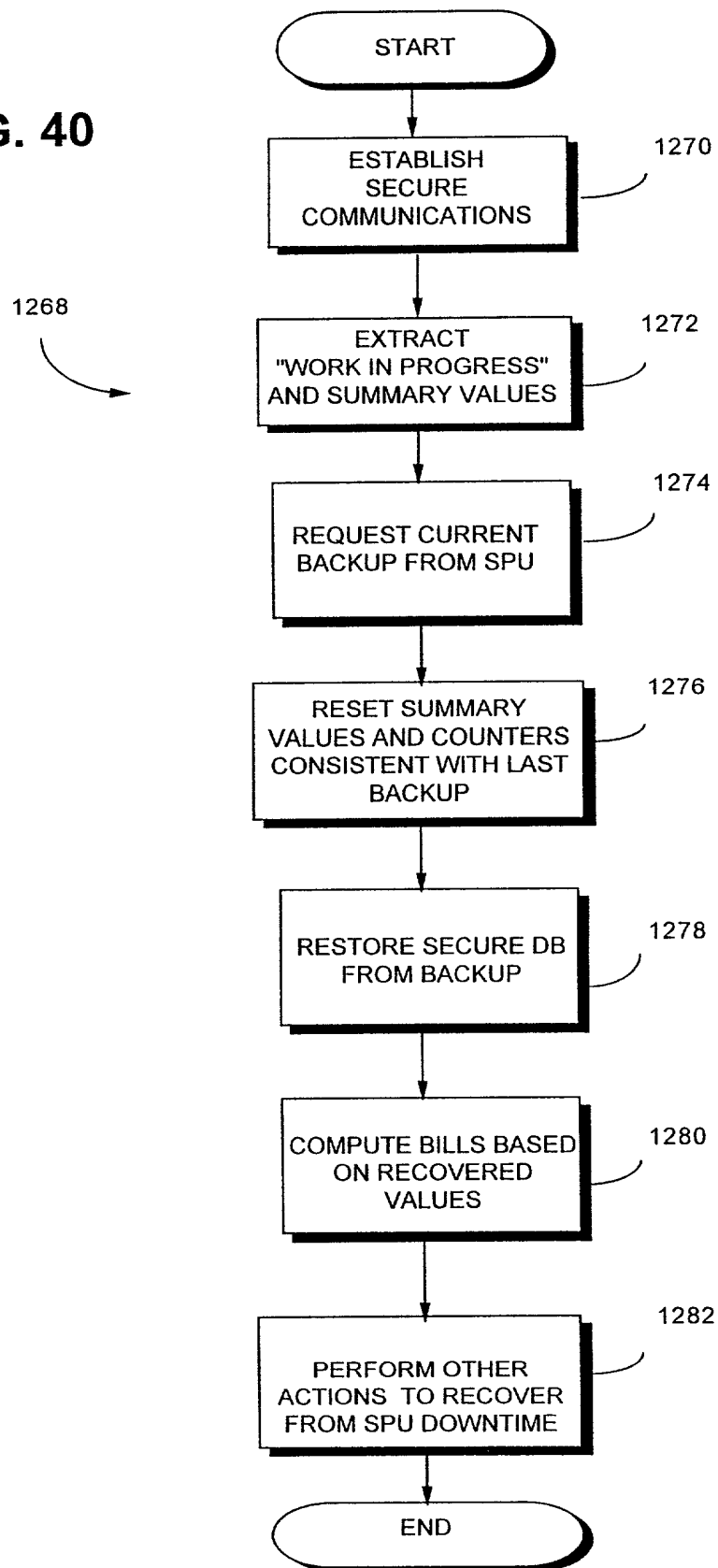


FIG. 40



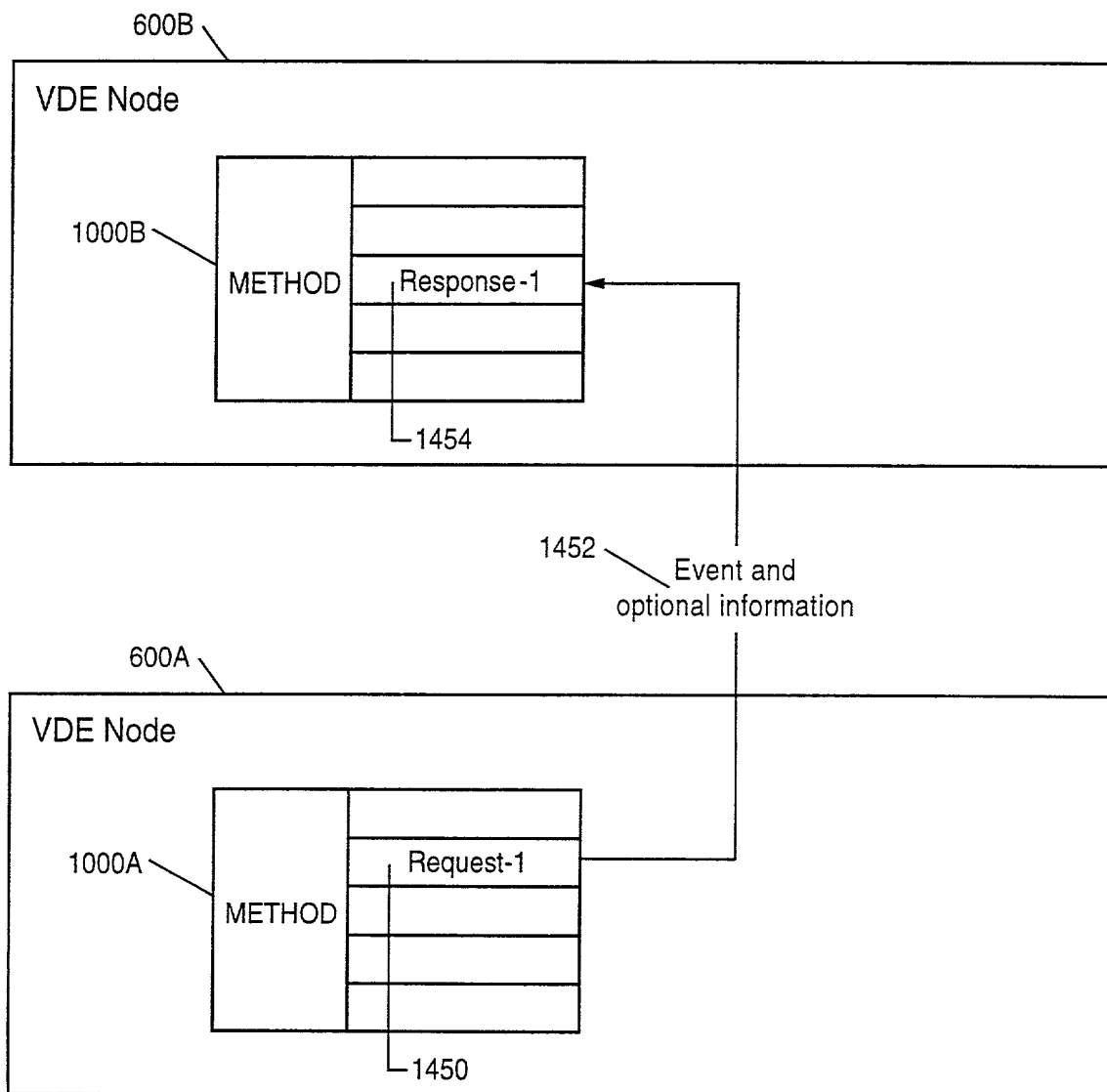


FIG. 41a

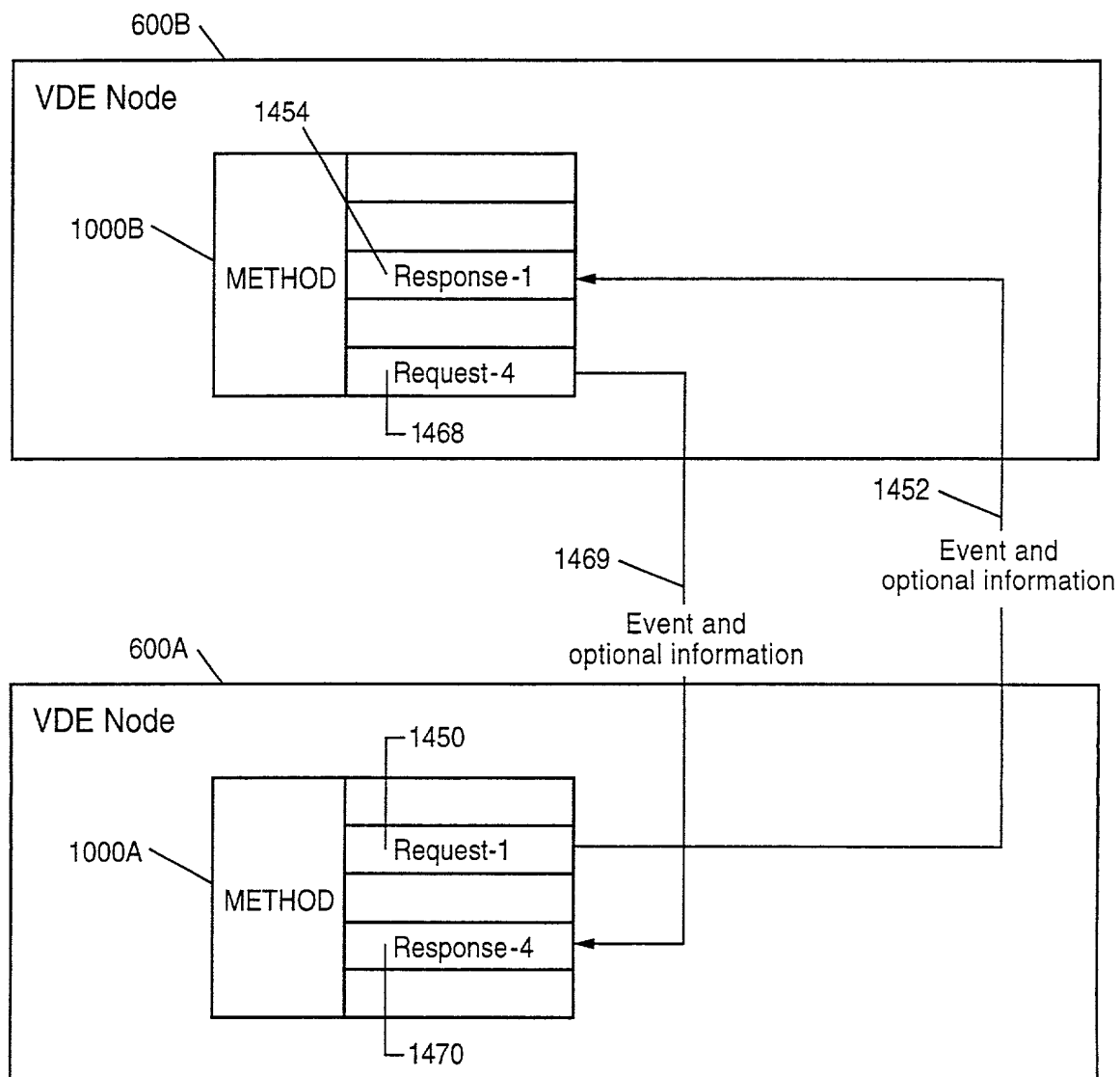


FIG. 41b

FIG. 41c

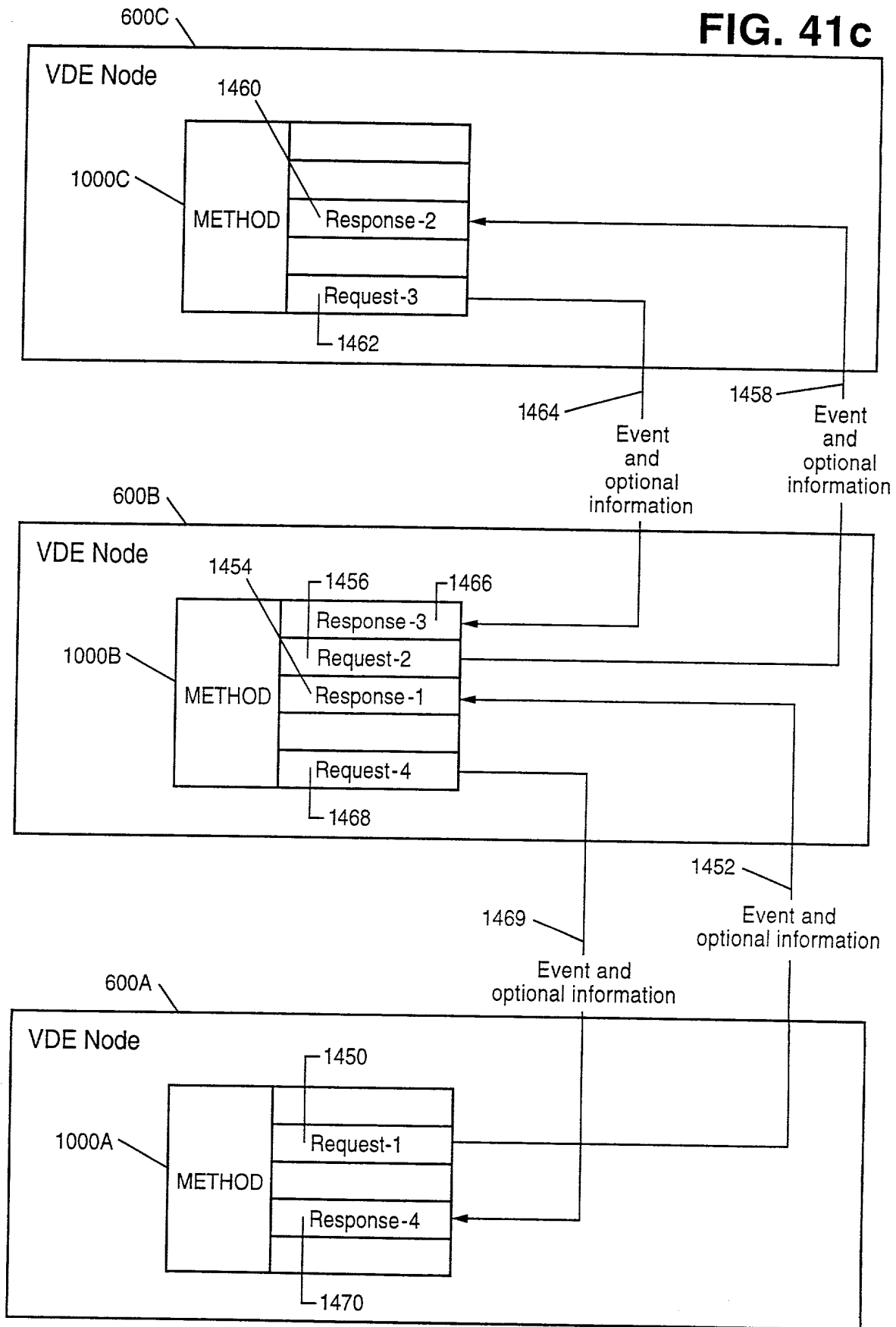
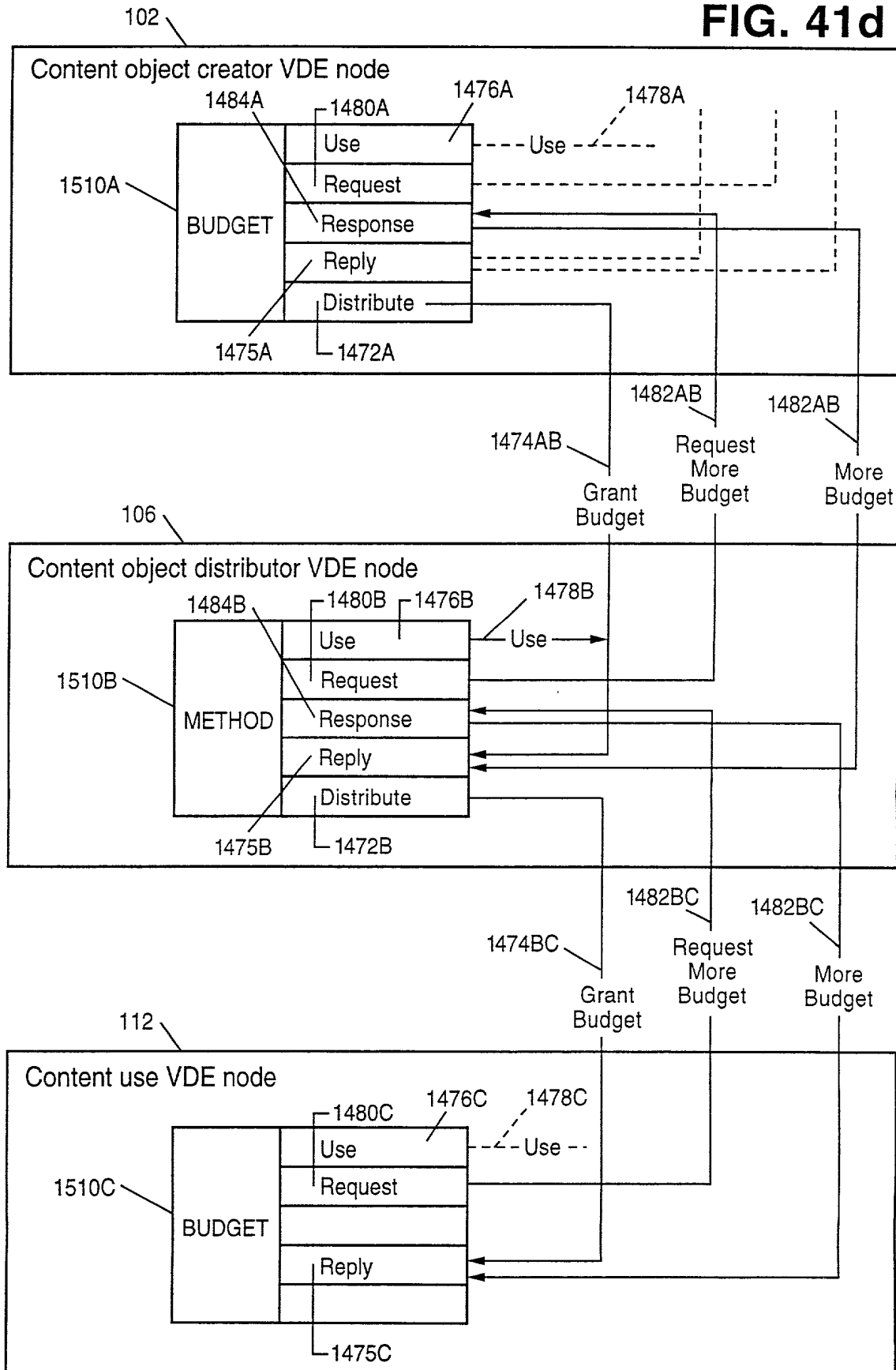


FIG. 41d



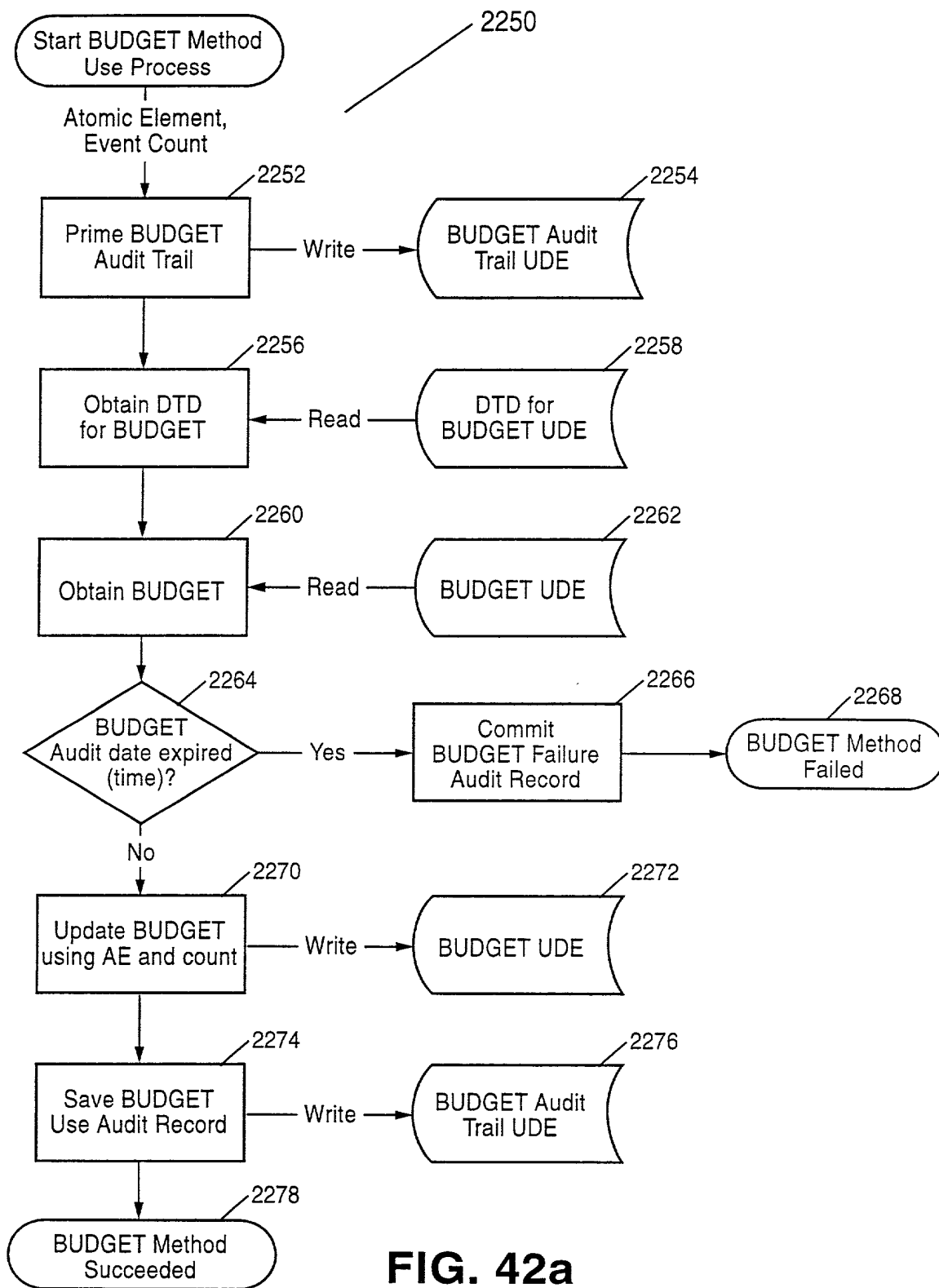


FIG. 42a

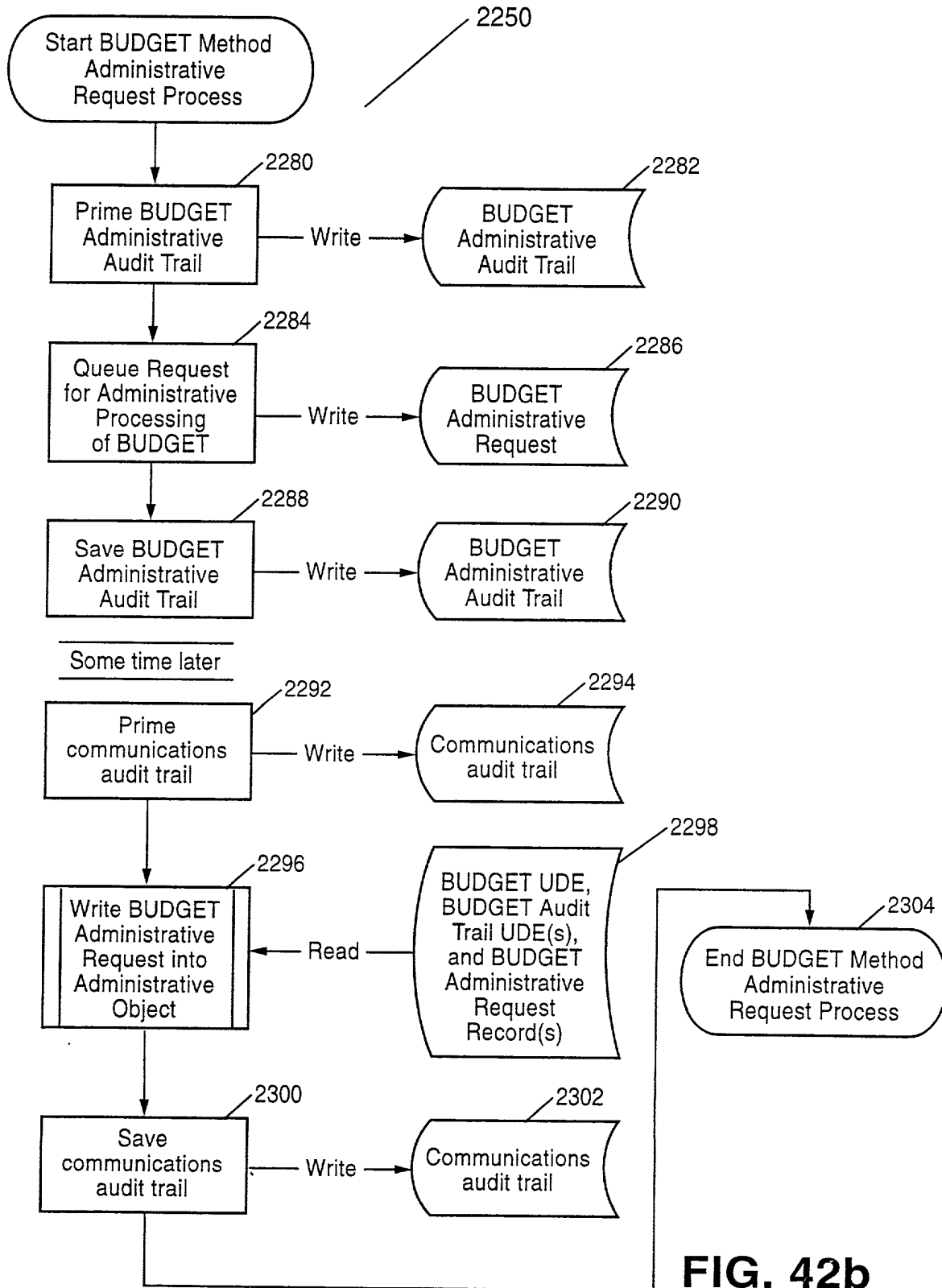


FIG. 42b

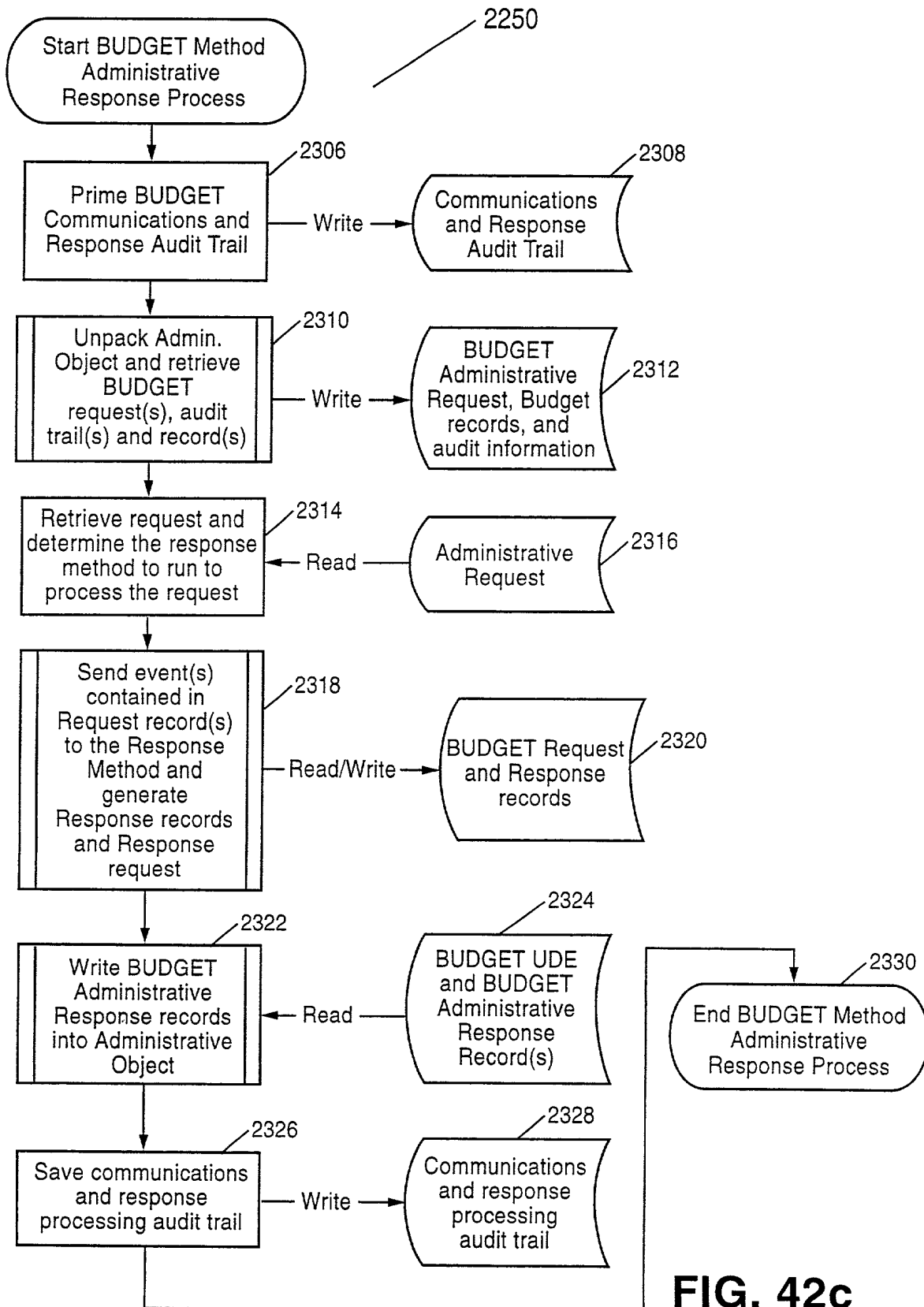


FIG. 42c

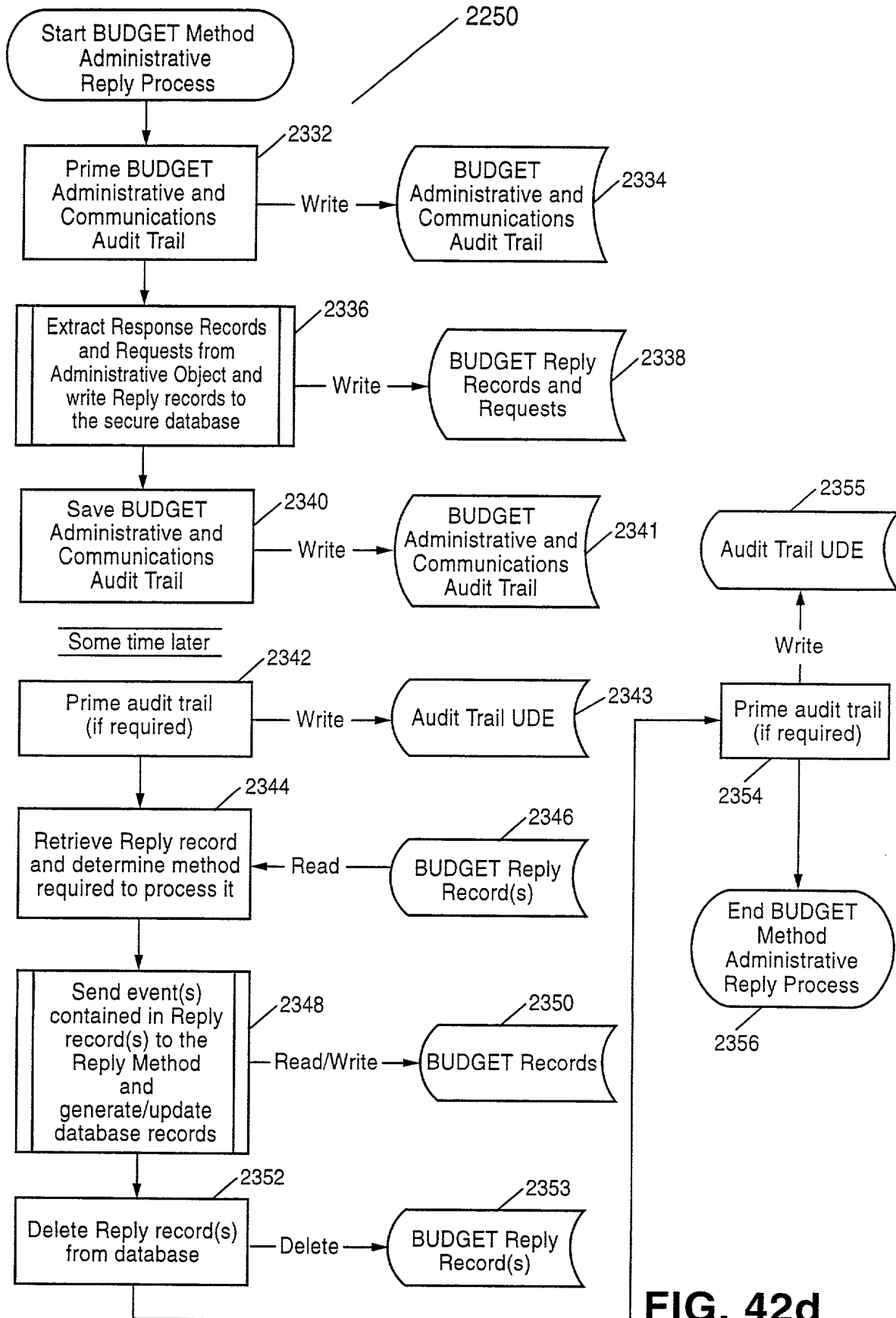


FIG. 42d

FIG. 43a

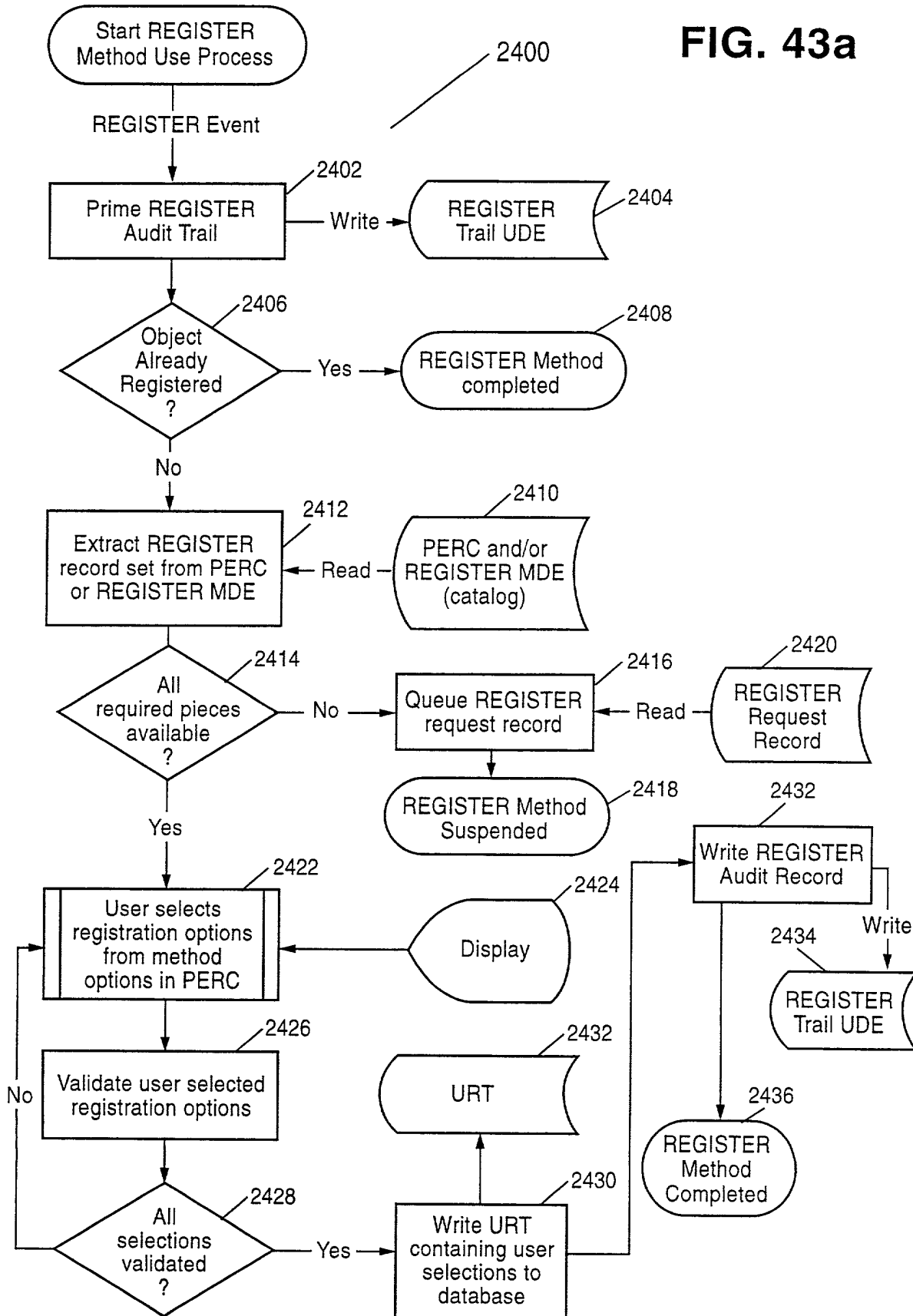


FIG. 43b

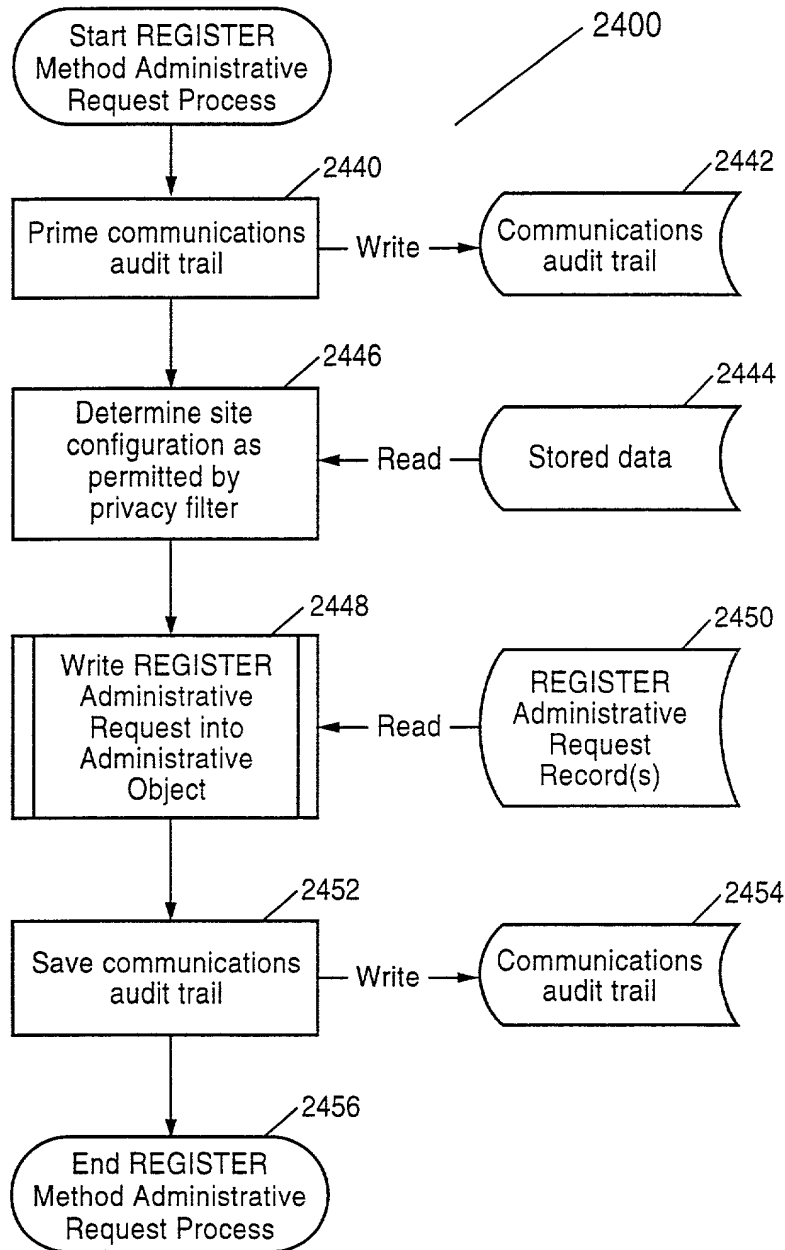


FIG. 43c

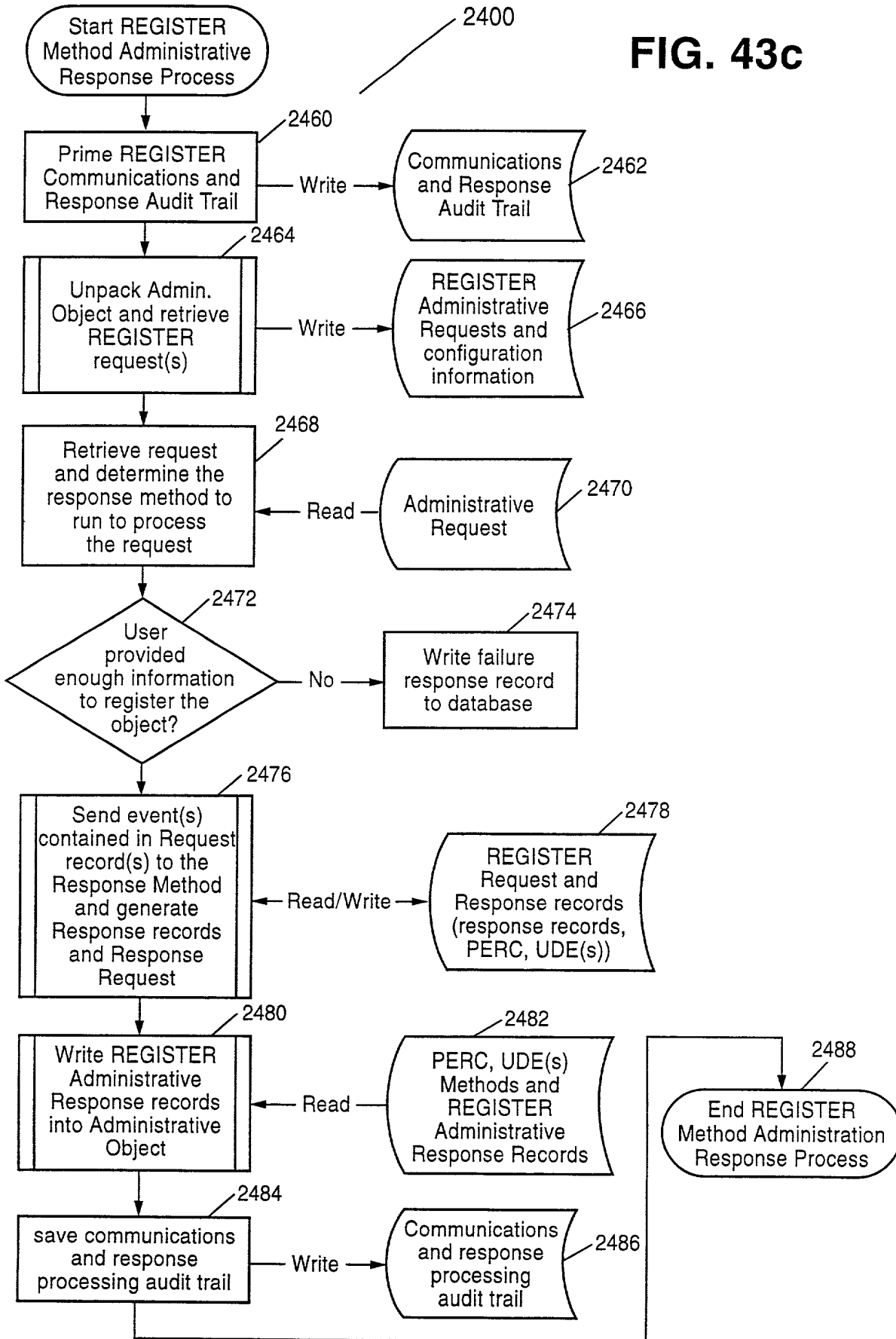


FIG. 43d

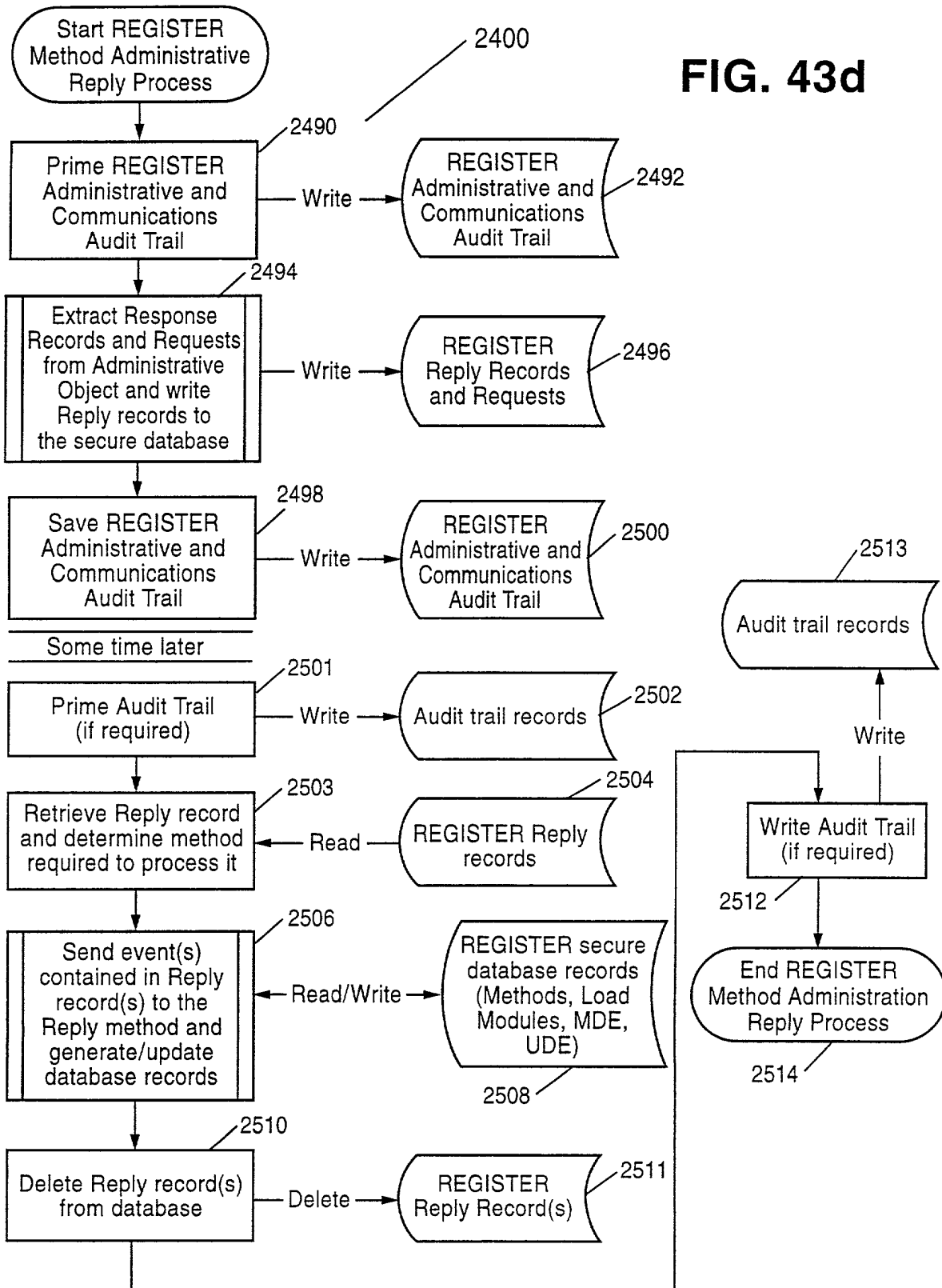


FIG. 44a

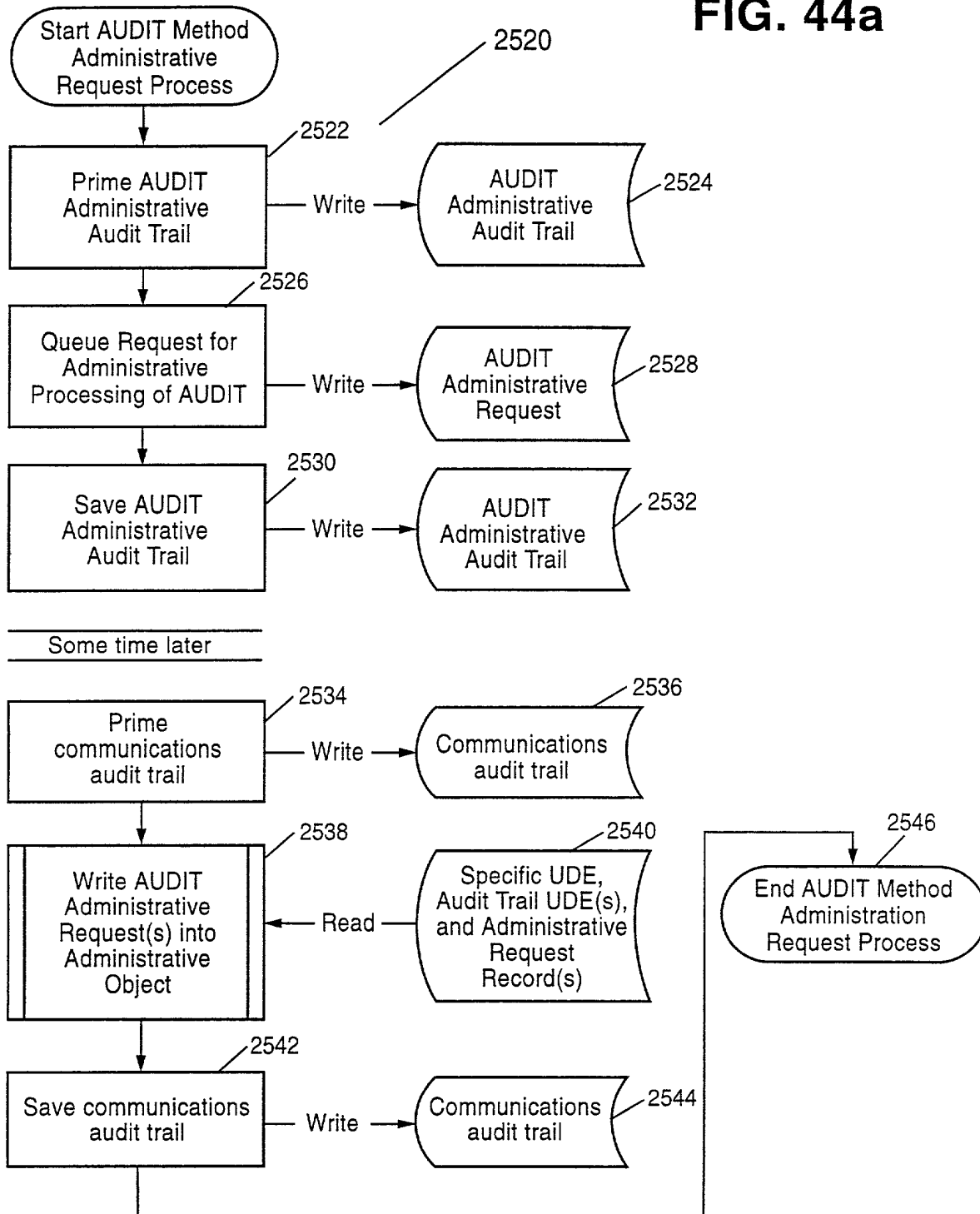


FIG. 44b

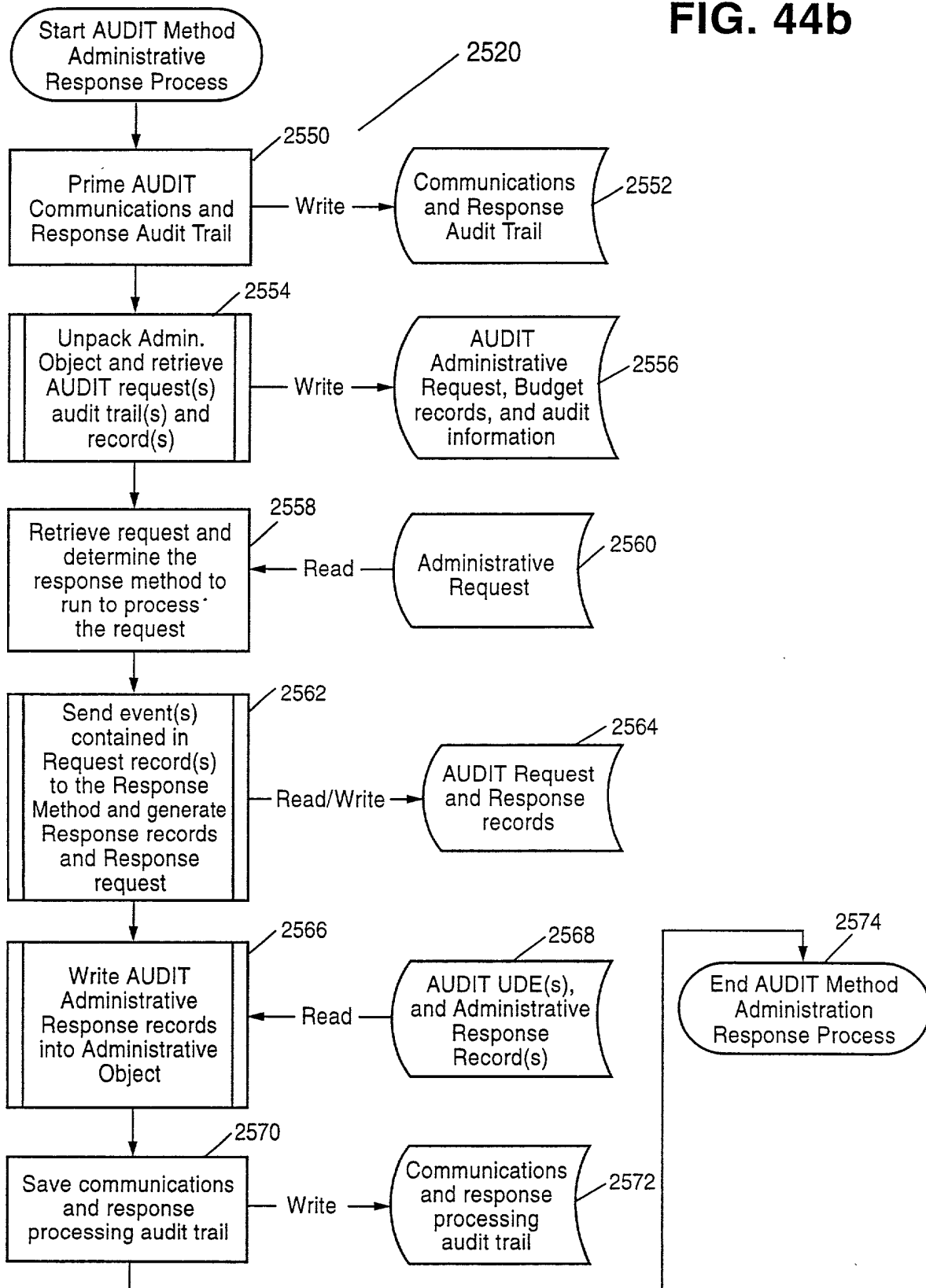


FIG. 44c

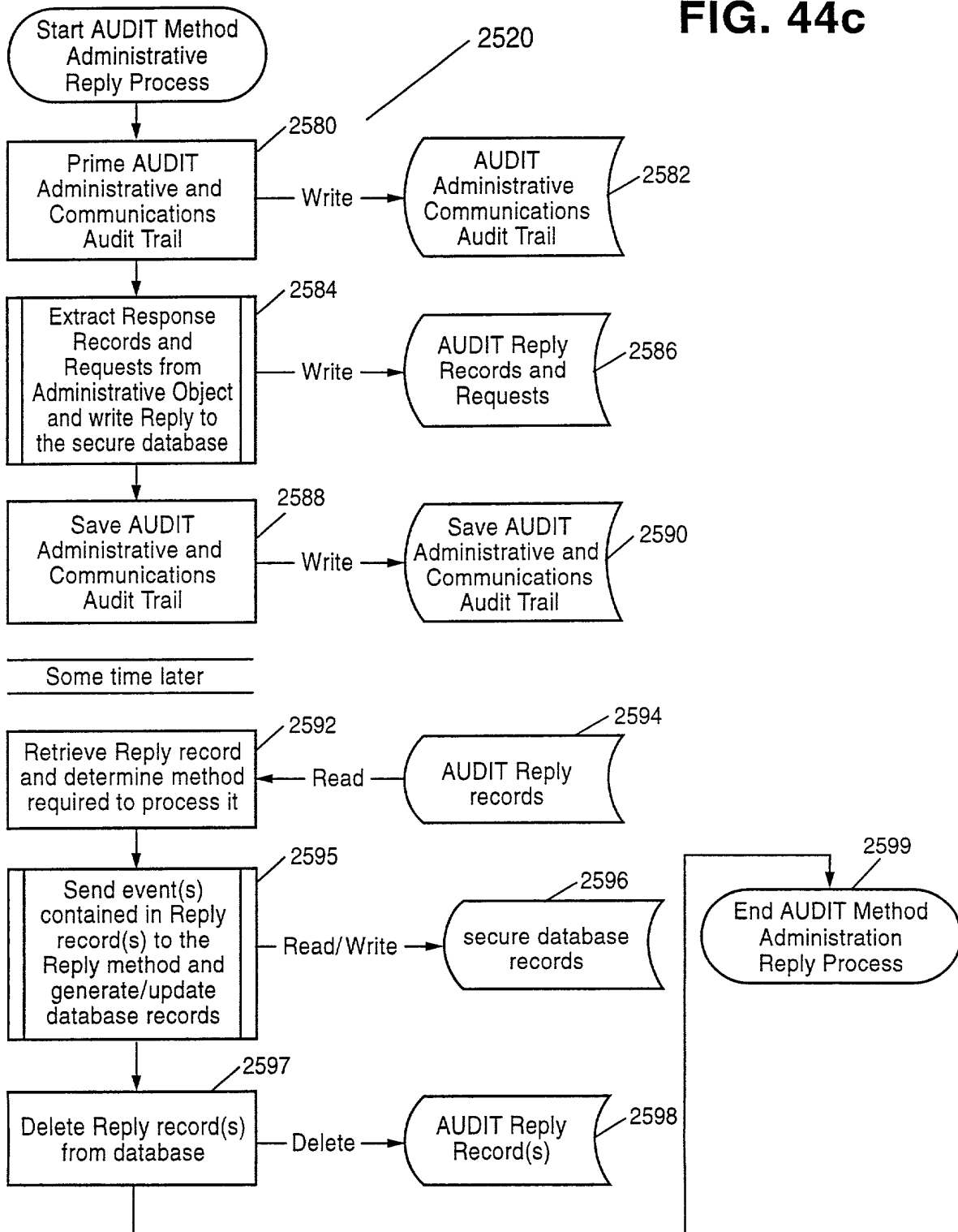


FIG. 46

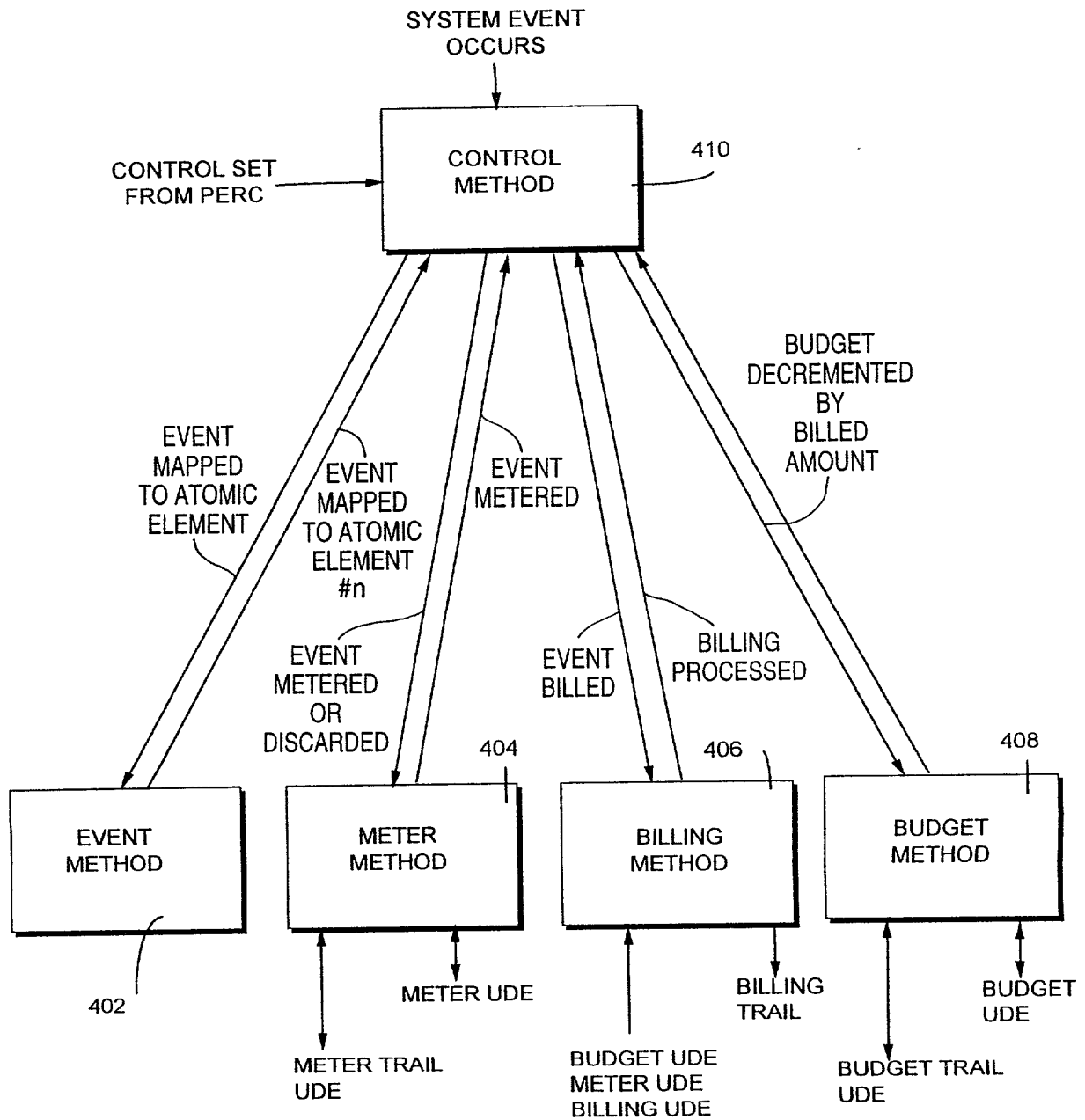


FIG. 47

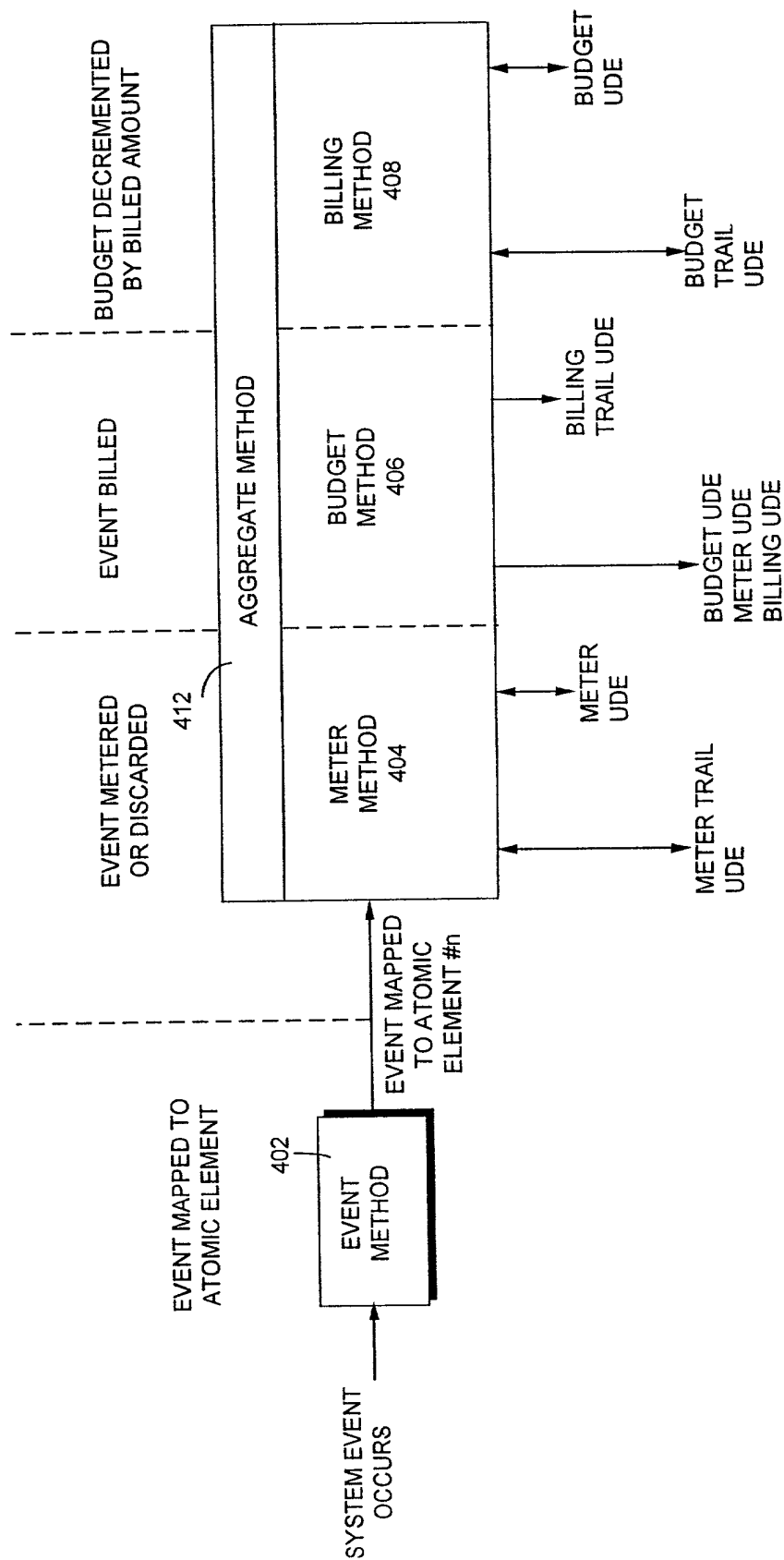
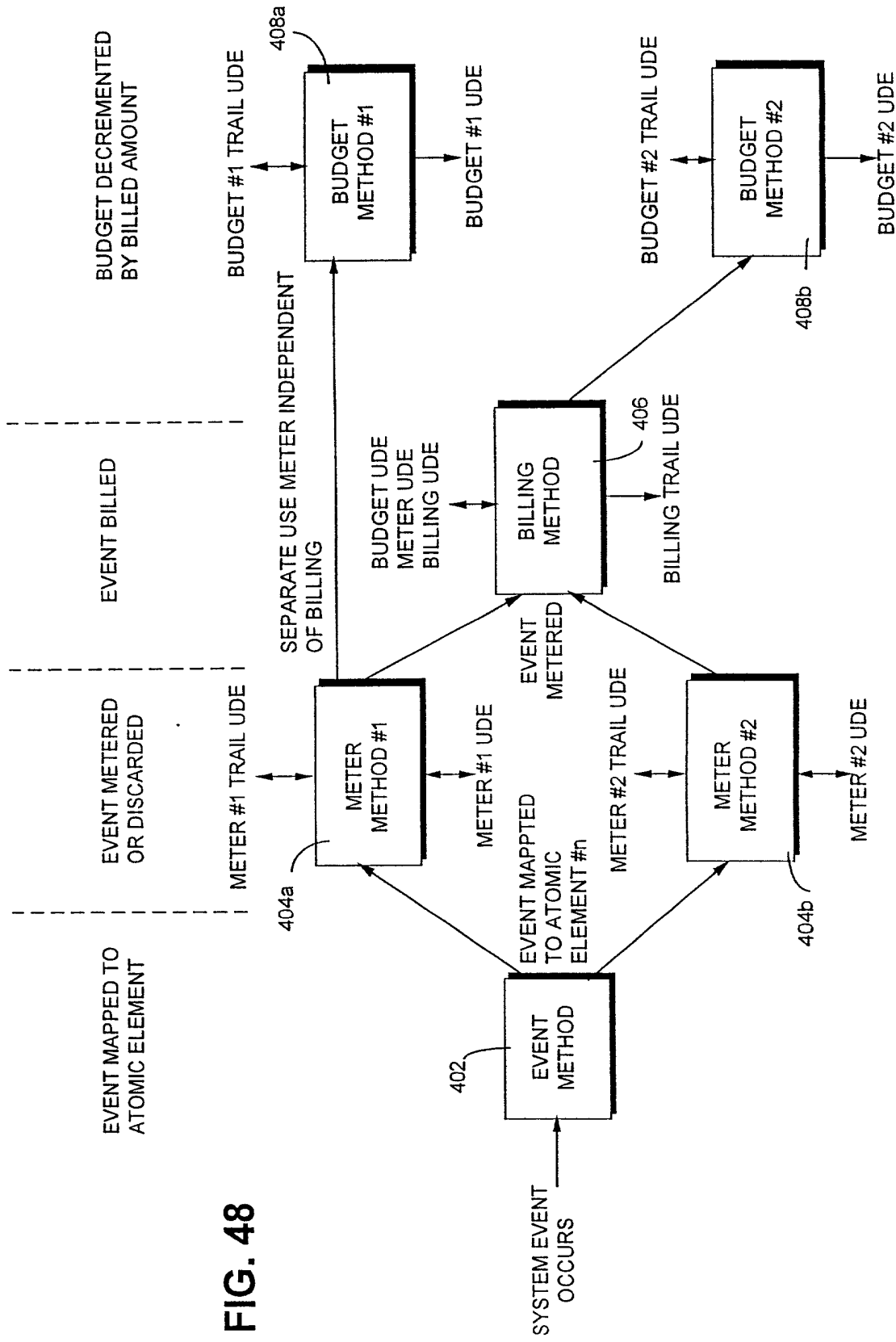
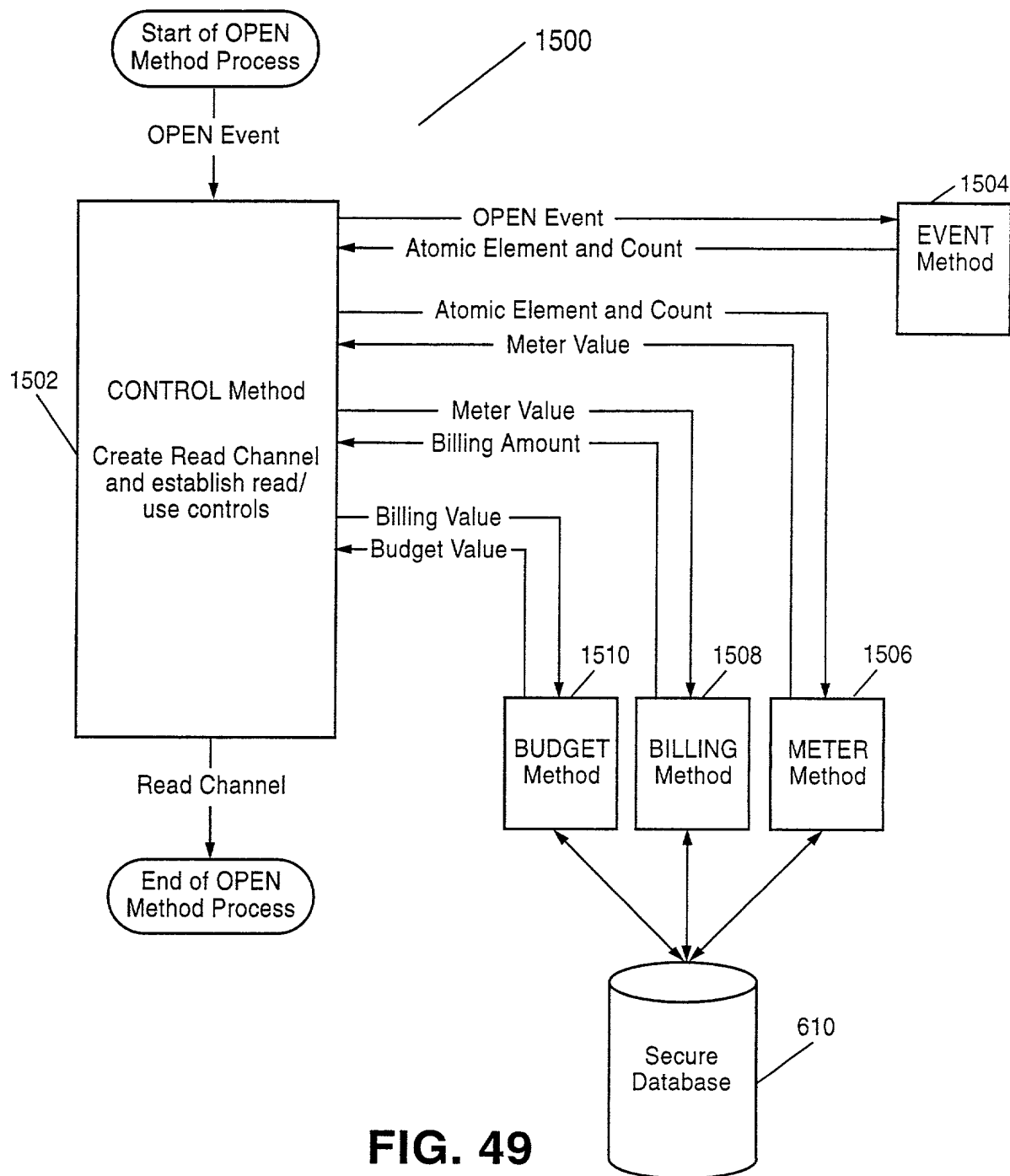
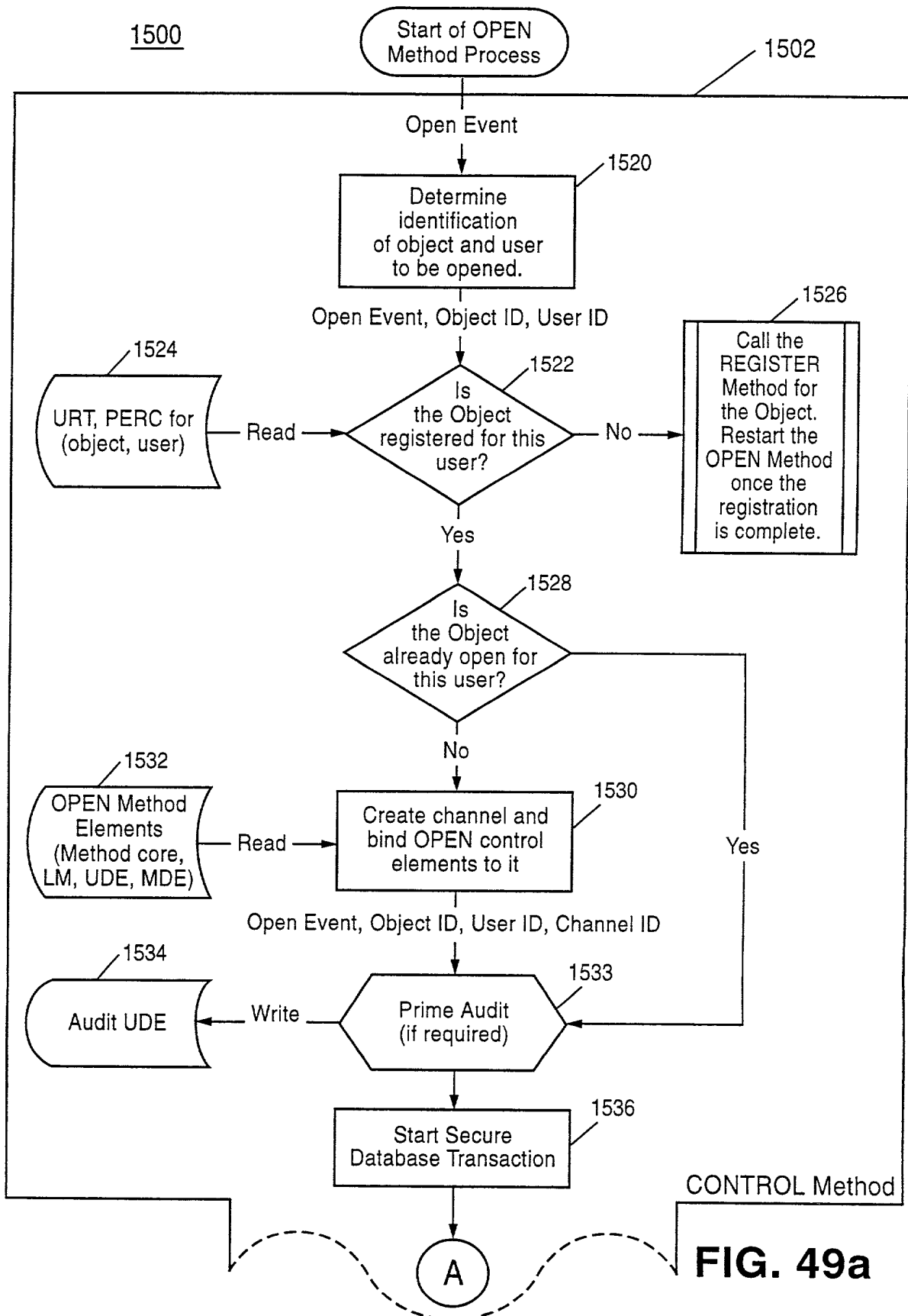
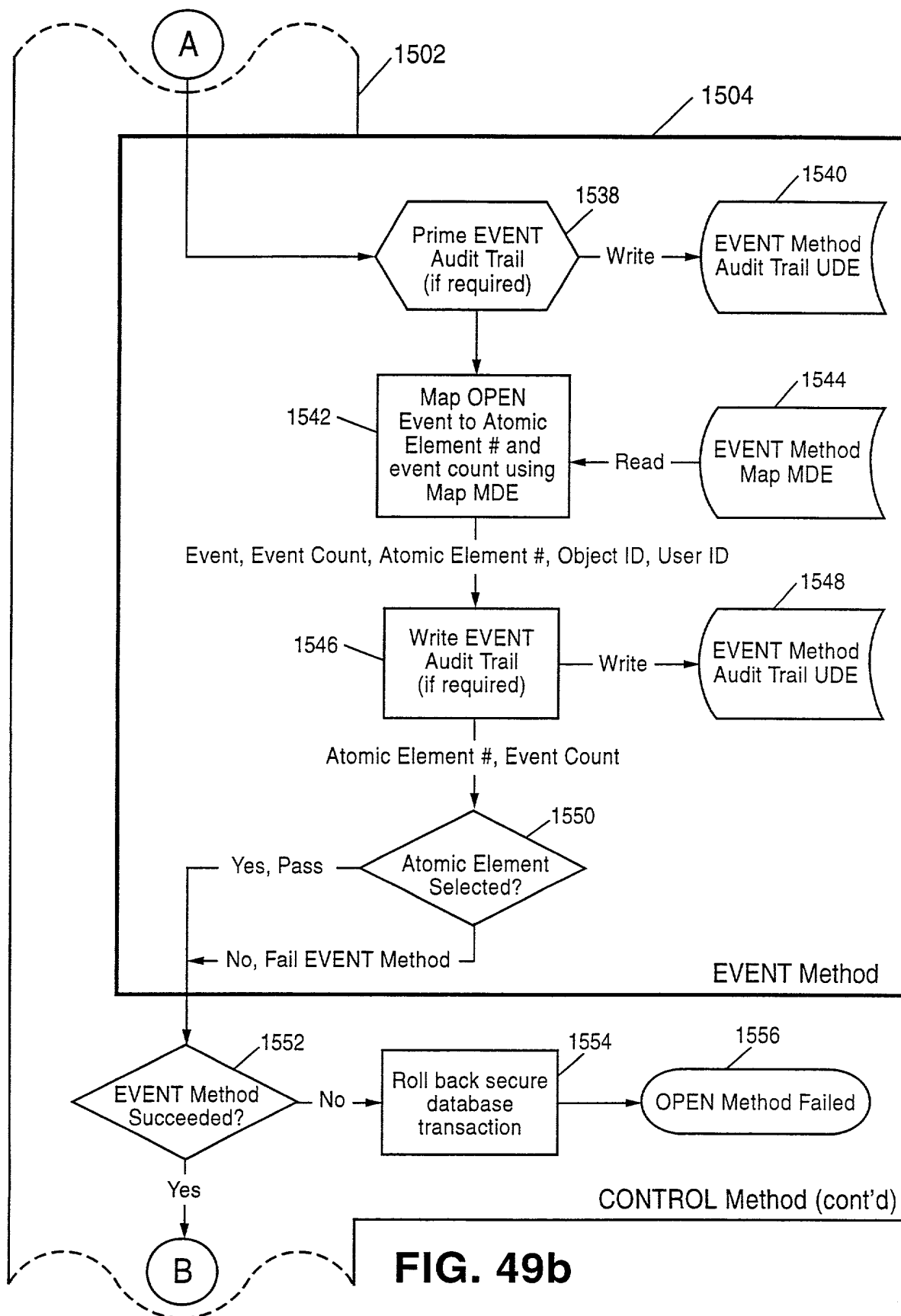


FIG. 48









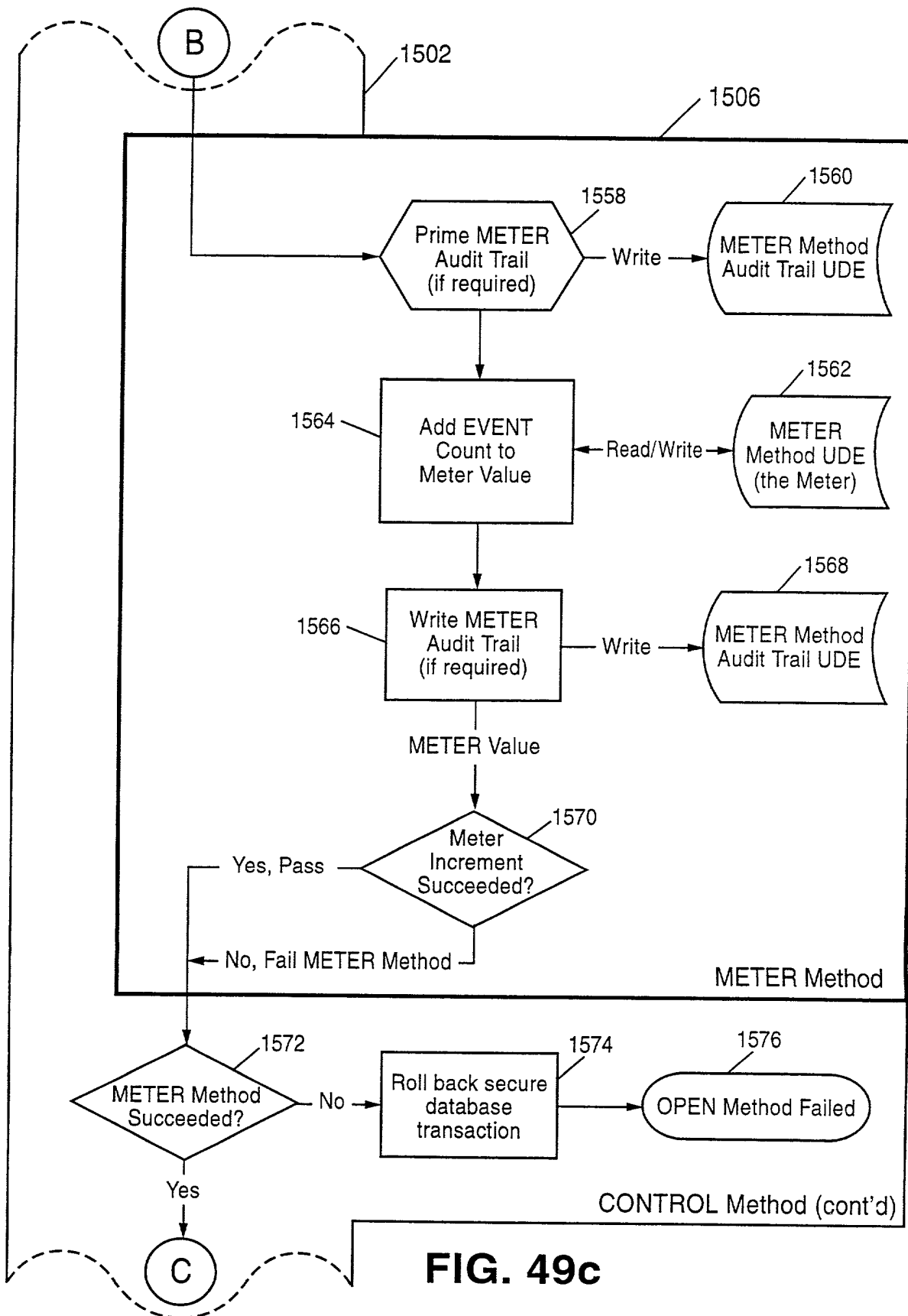


FIG. 49c

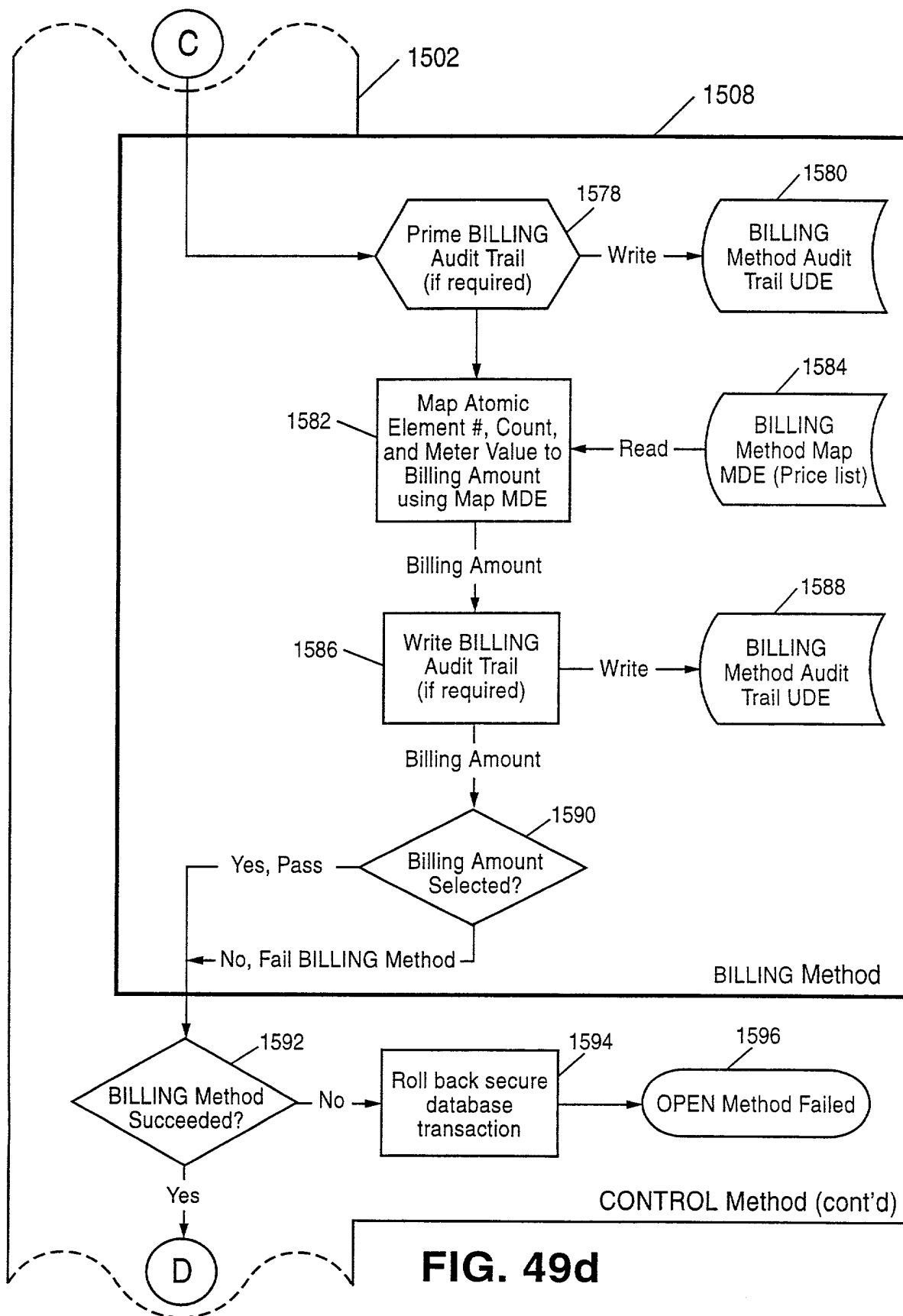


FIG. 49d

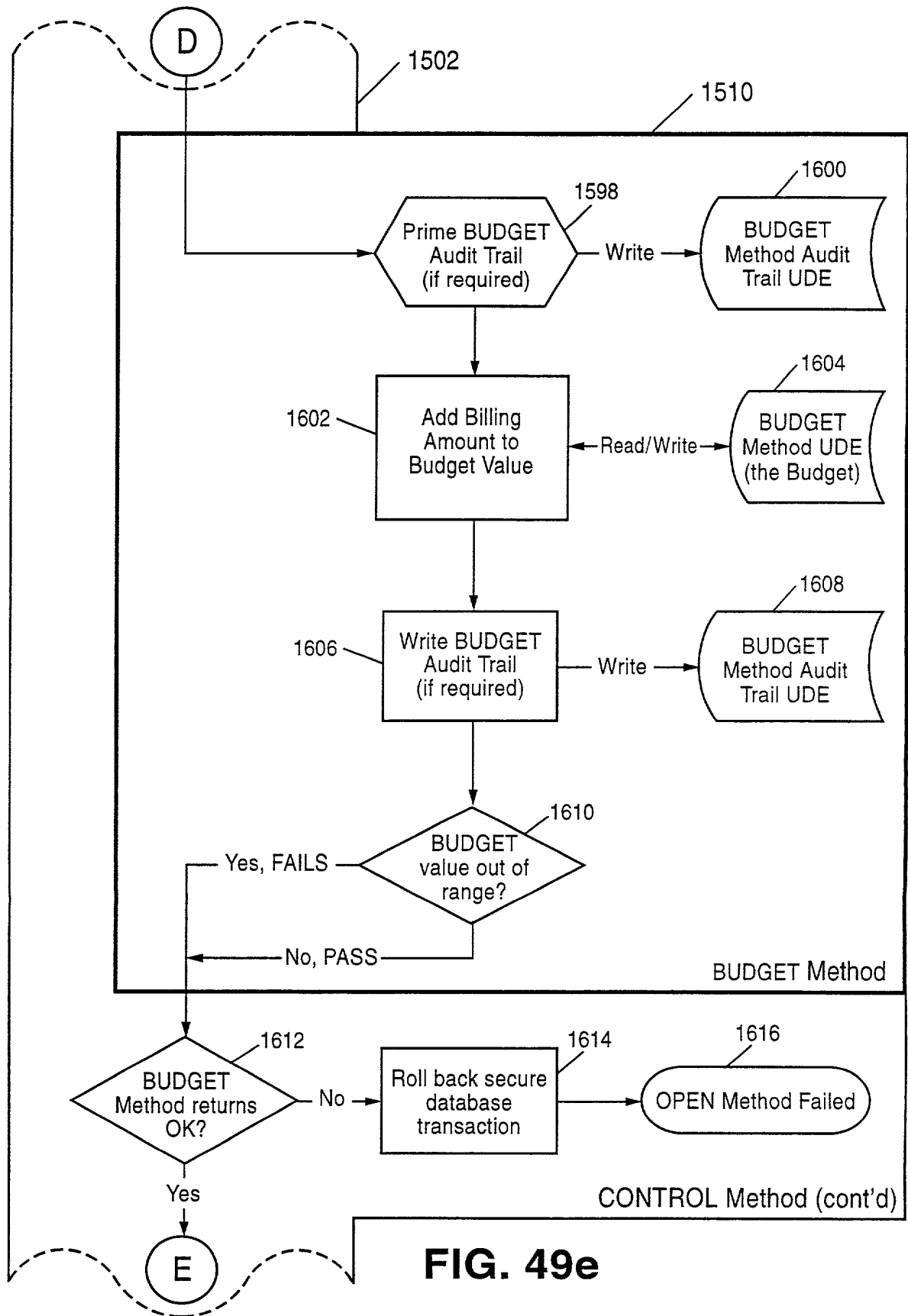


FIG. 49e

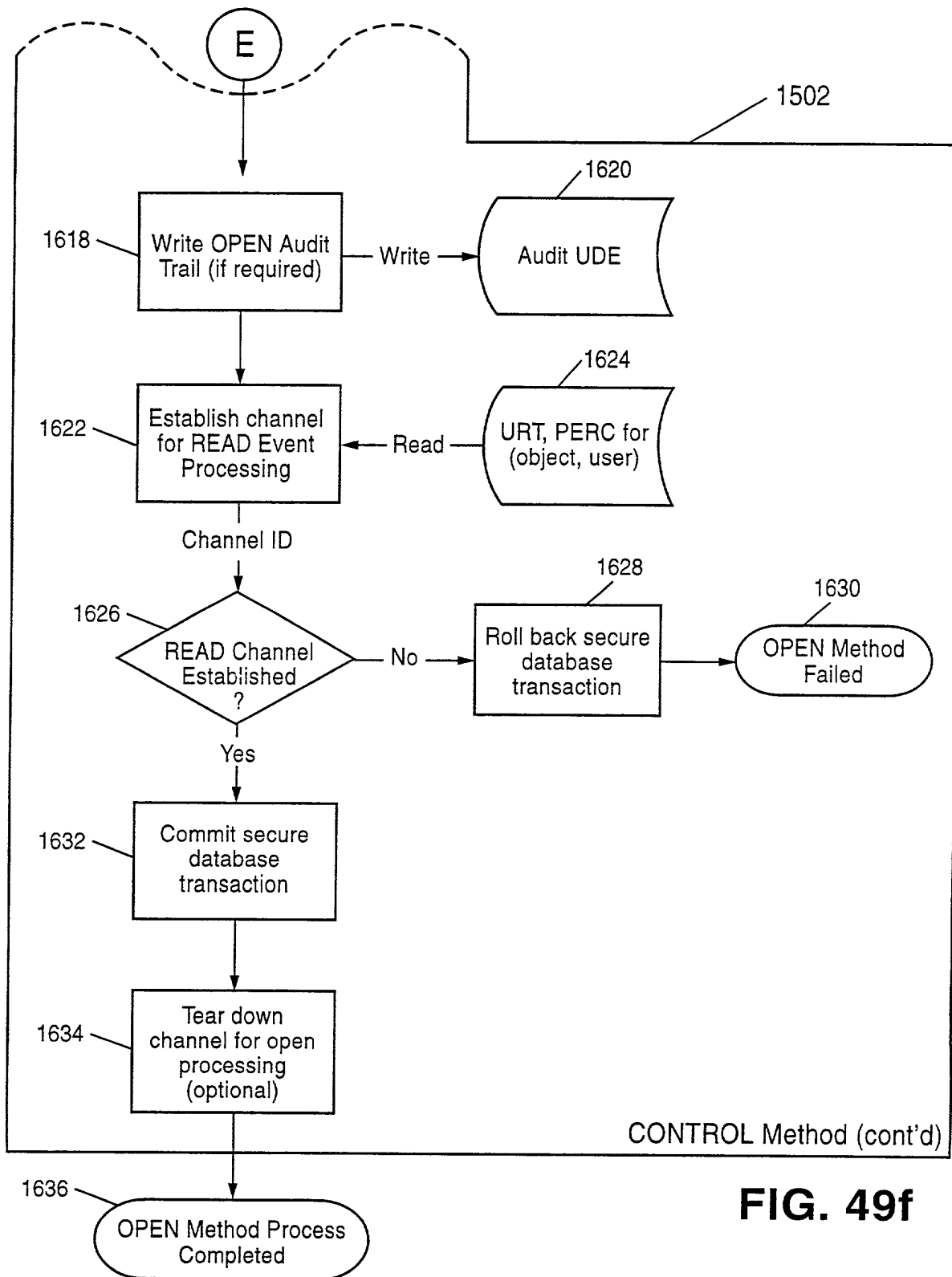
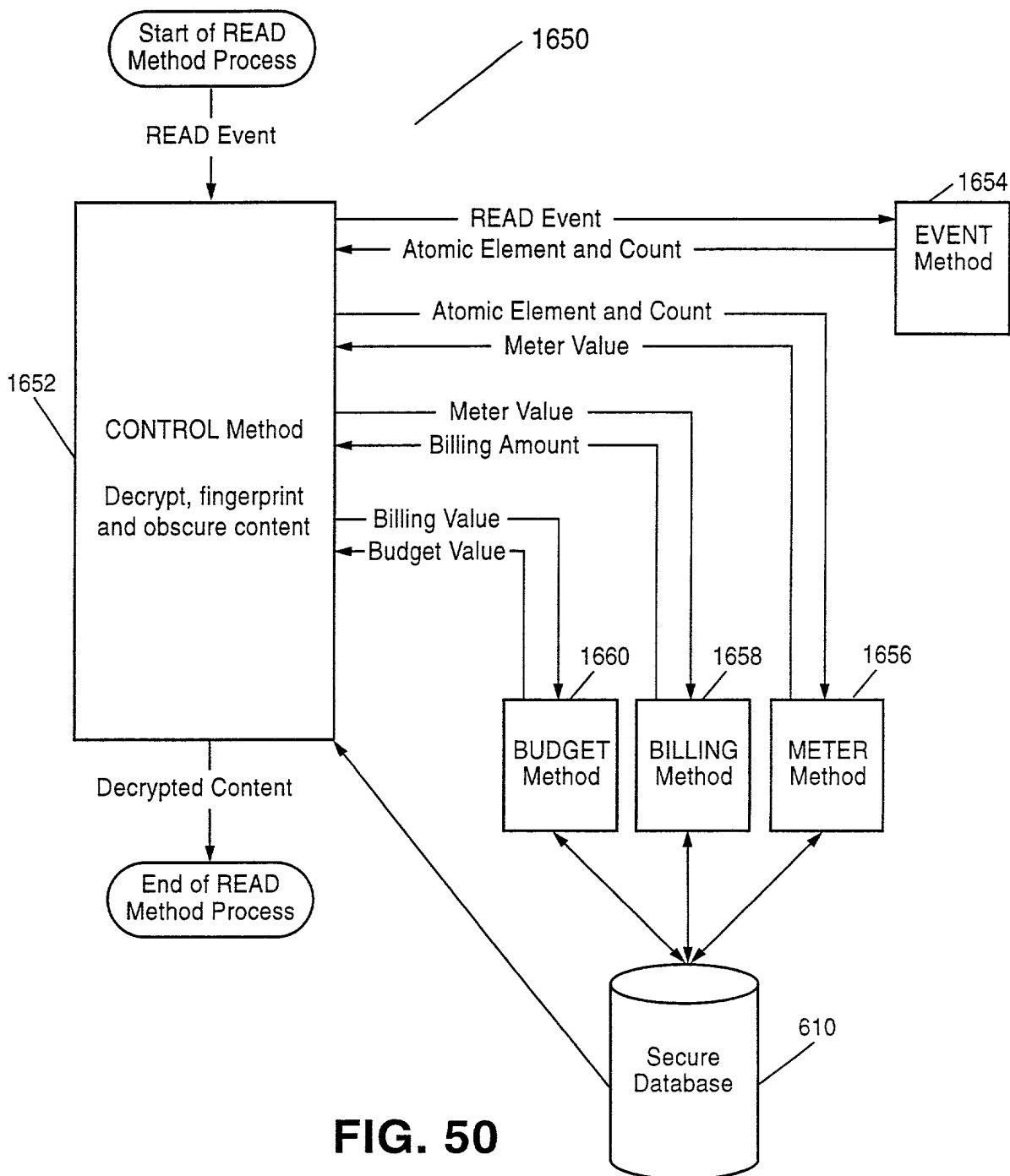


FIG. 49f



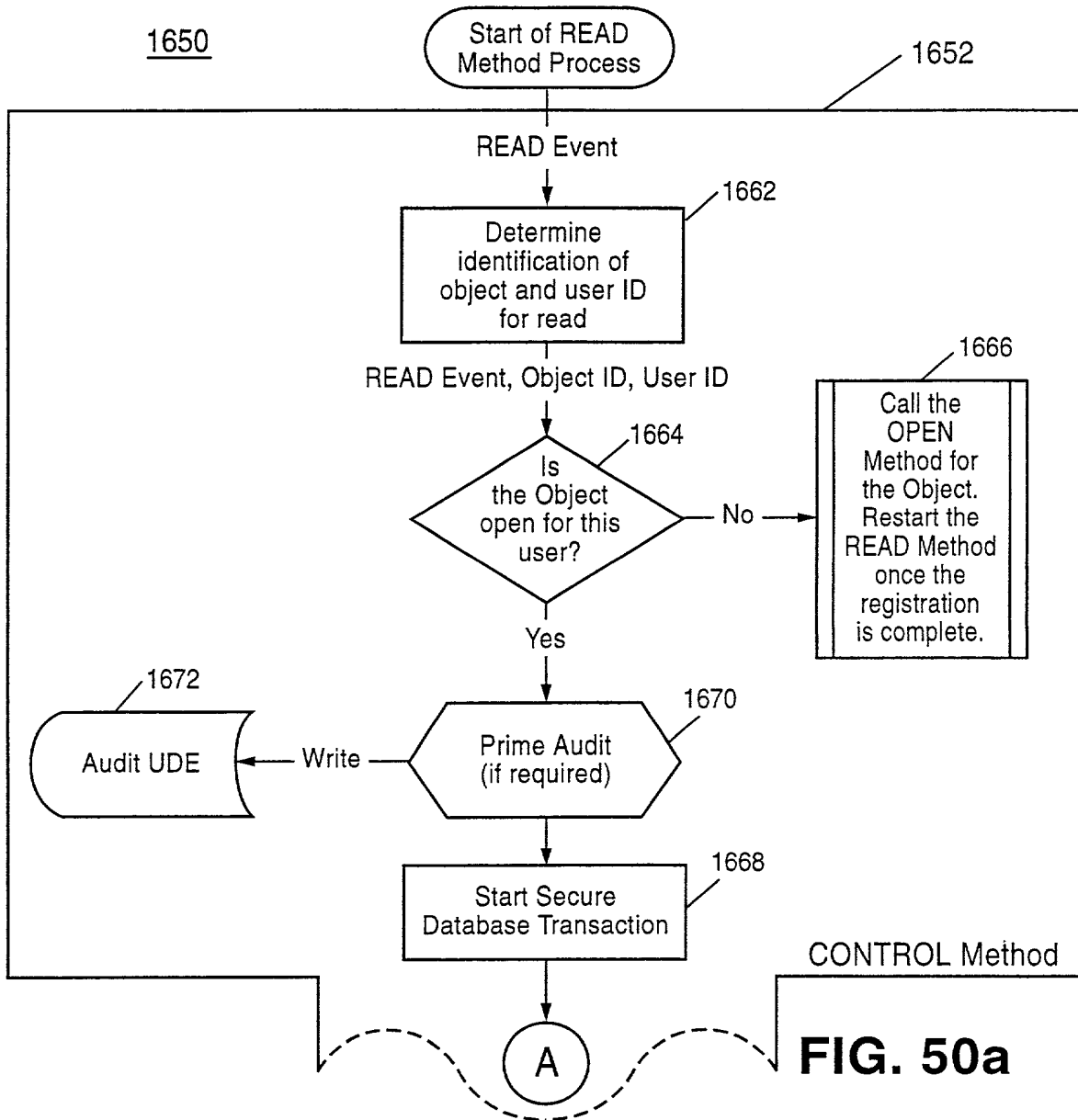


FIG. 50a

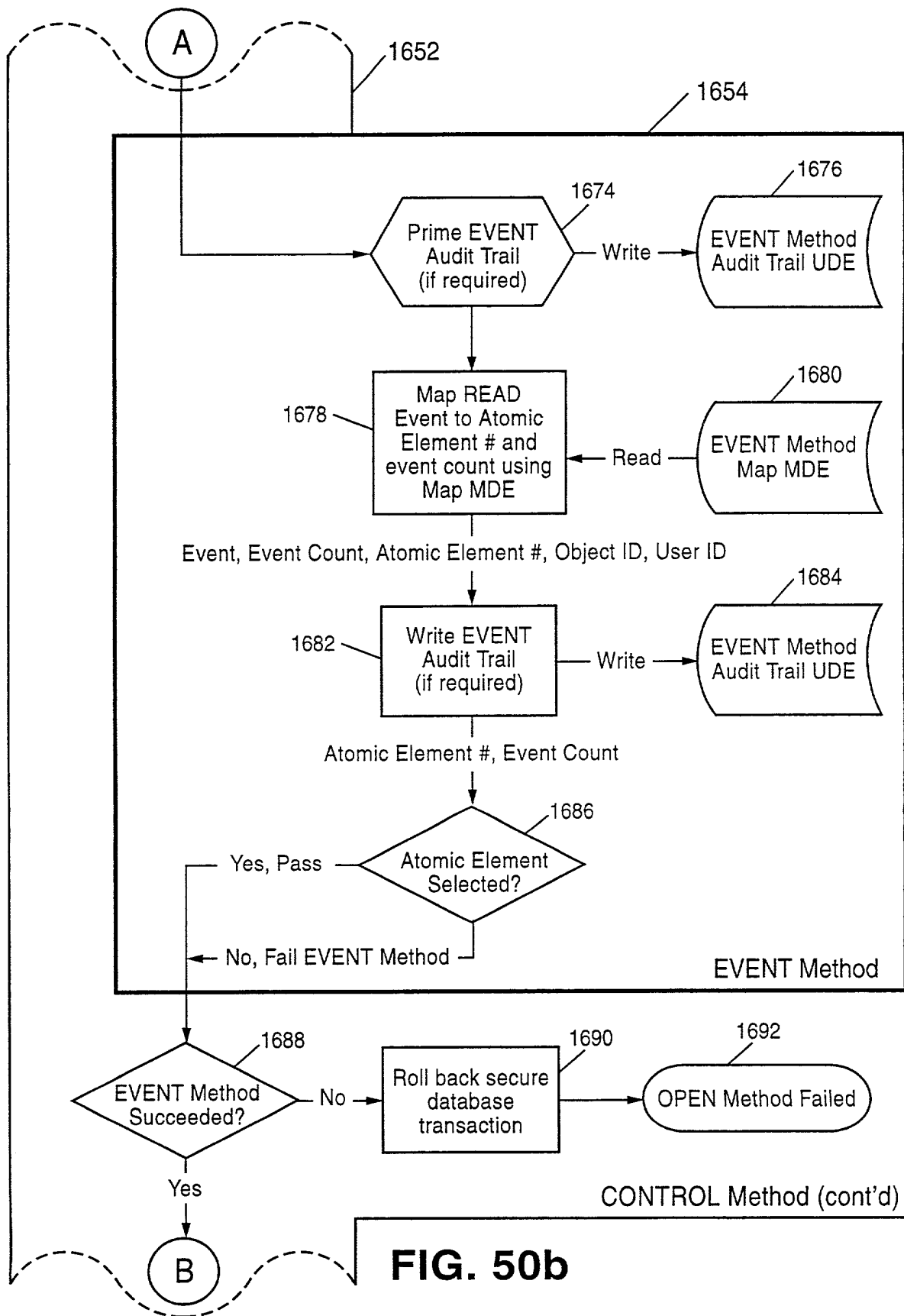
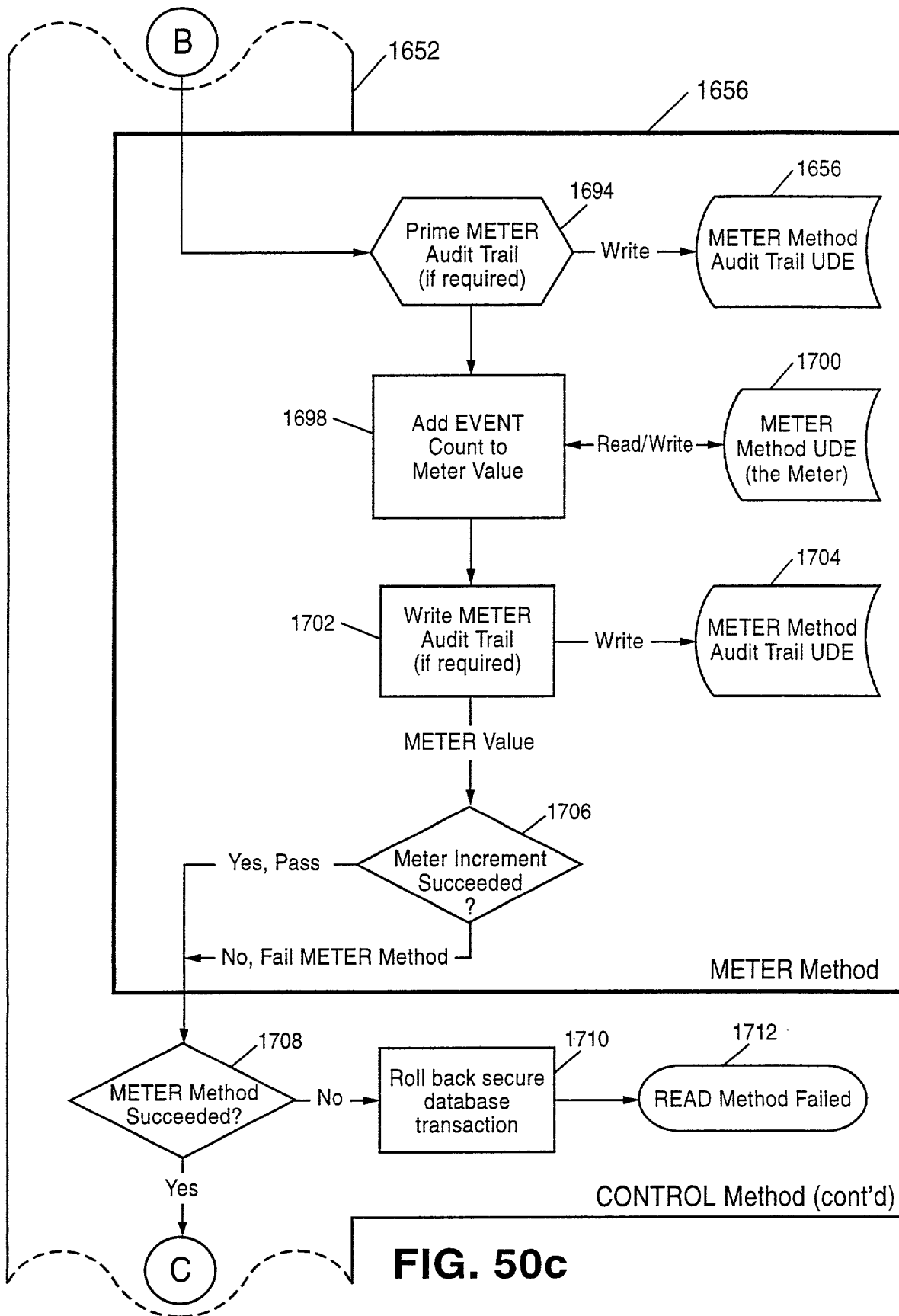


FIG. 50c



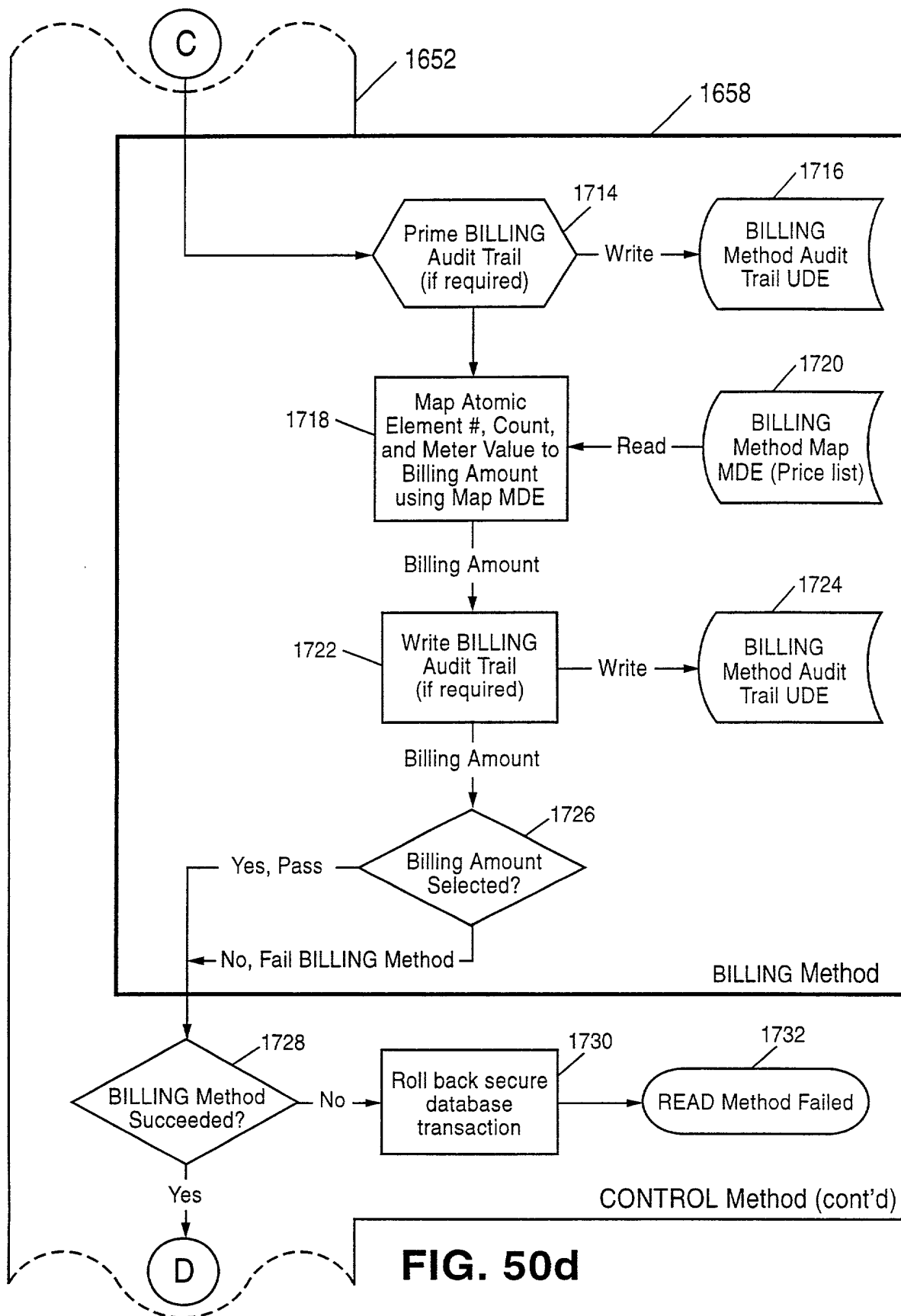


FIG. 50d

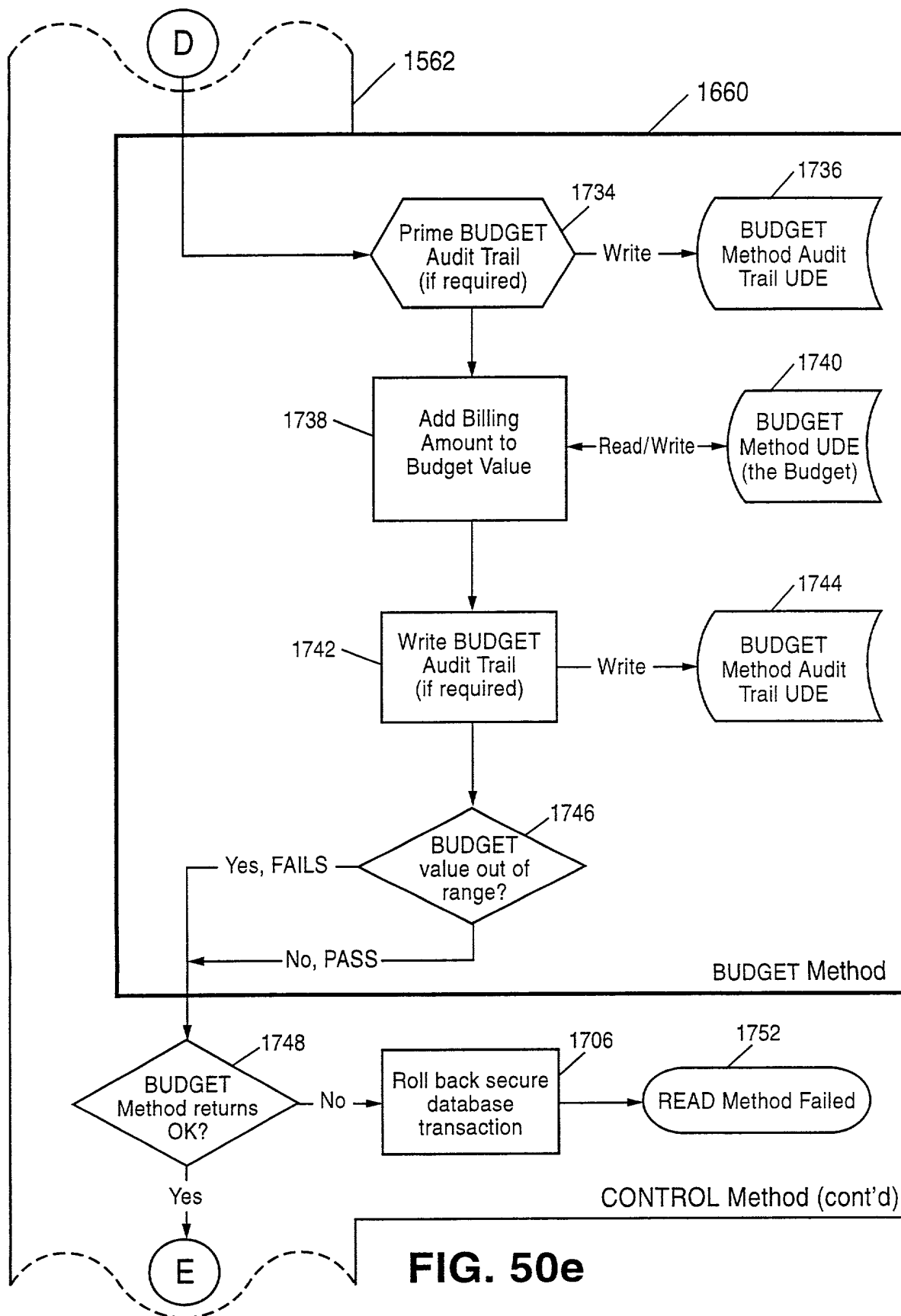
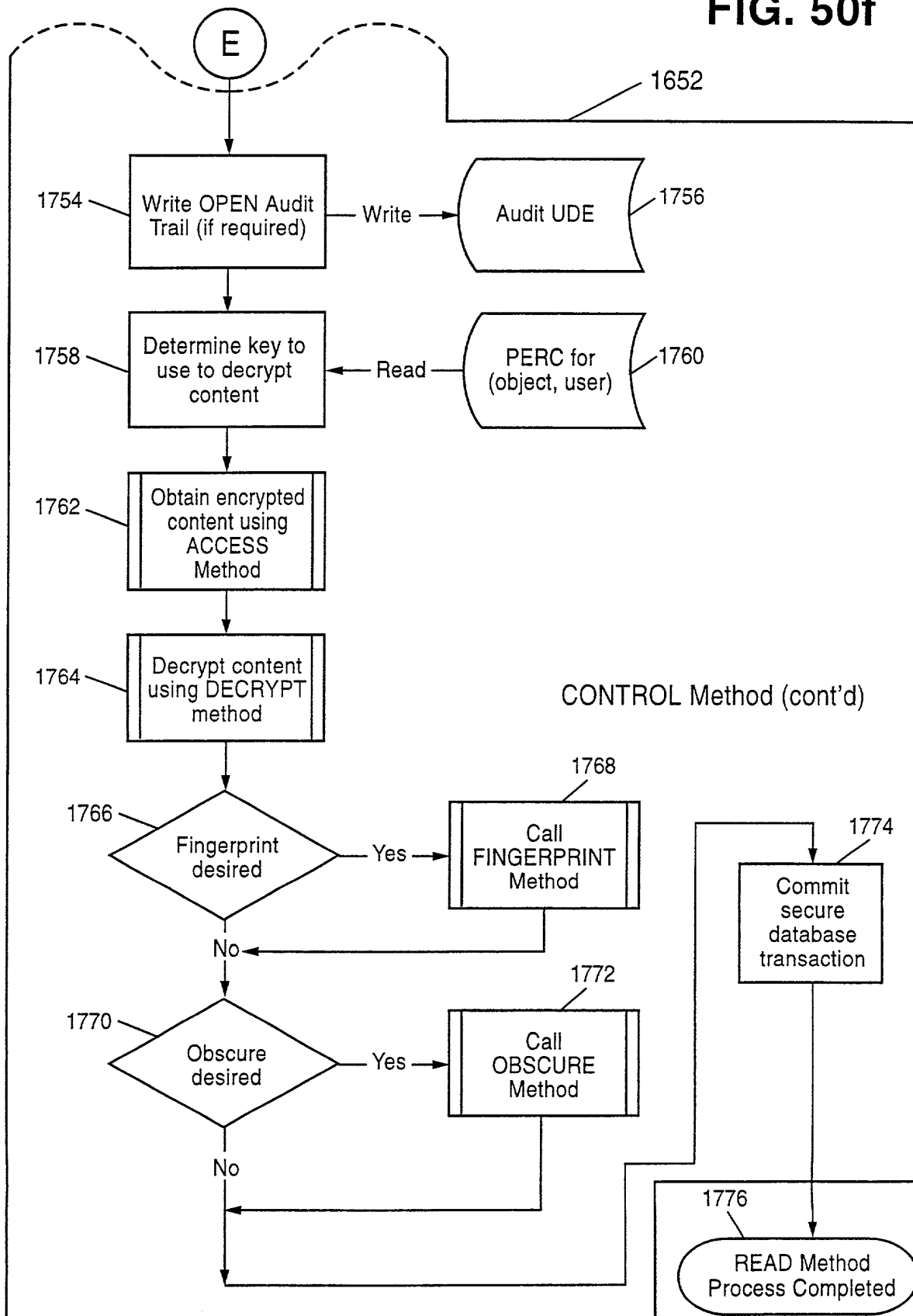
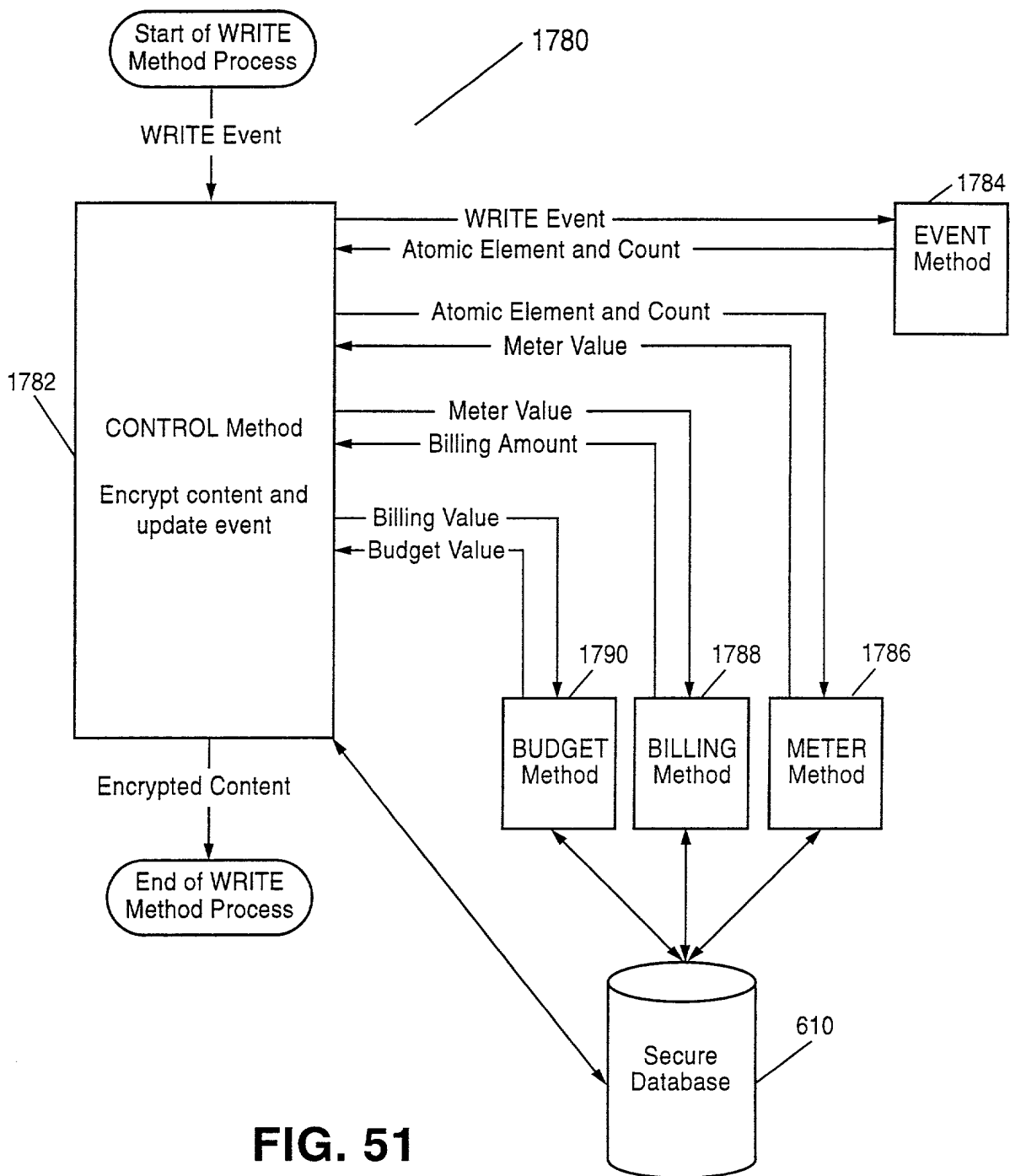


FIG. 50e

FIG. 50f





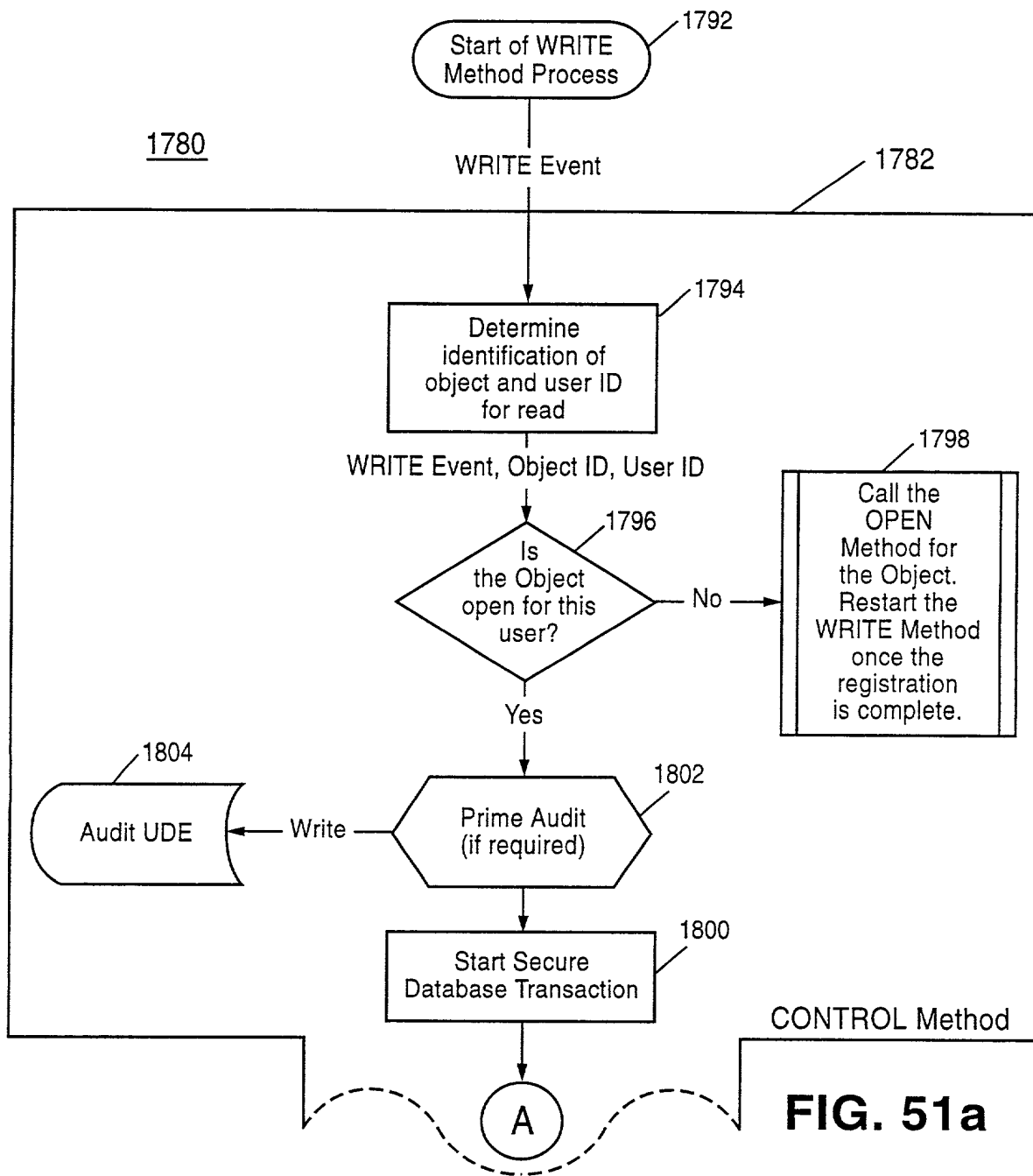
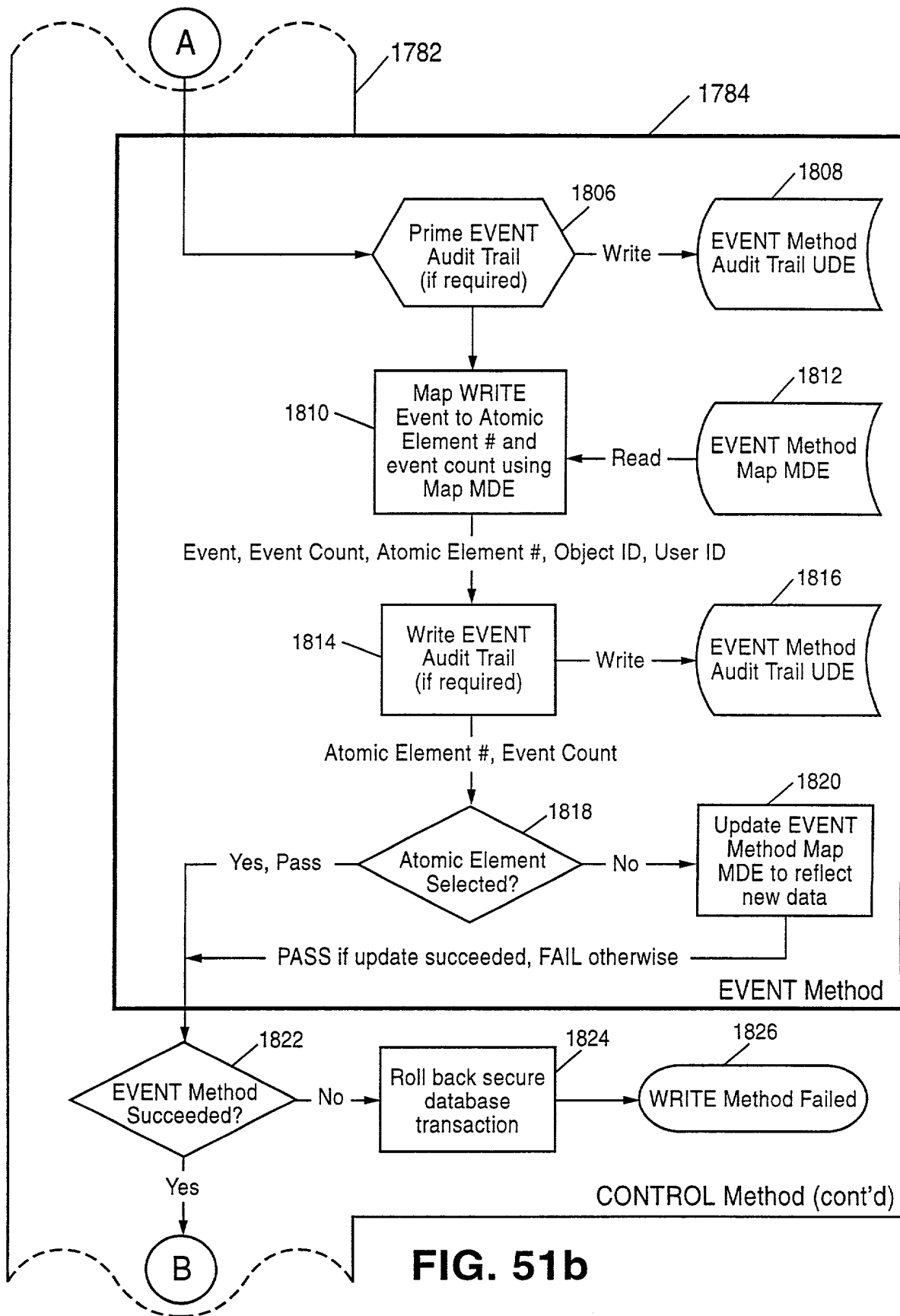


FIG. 51a



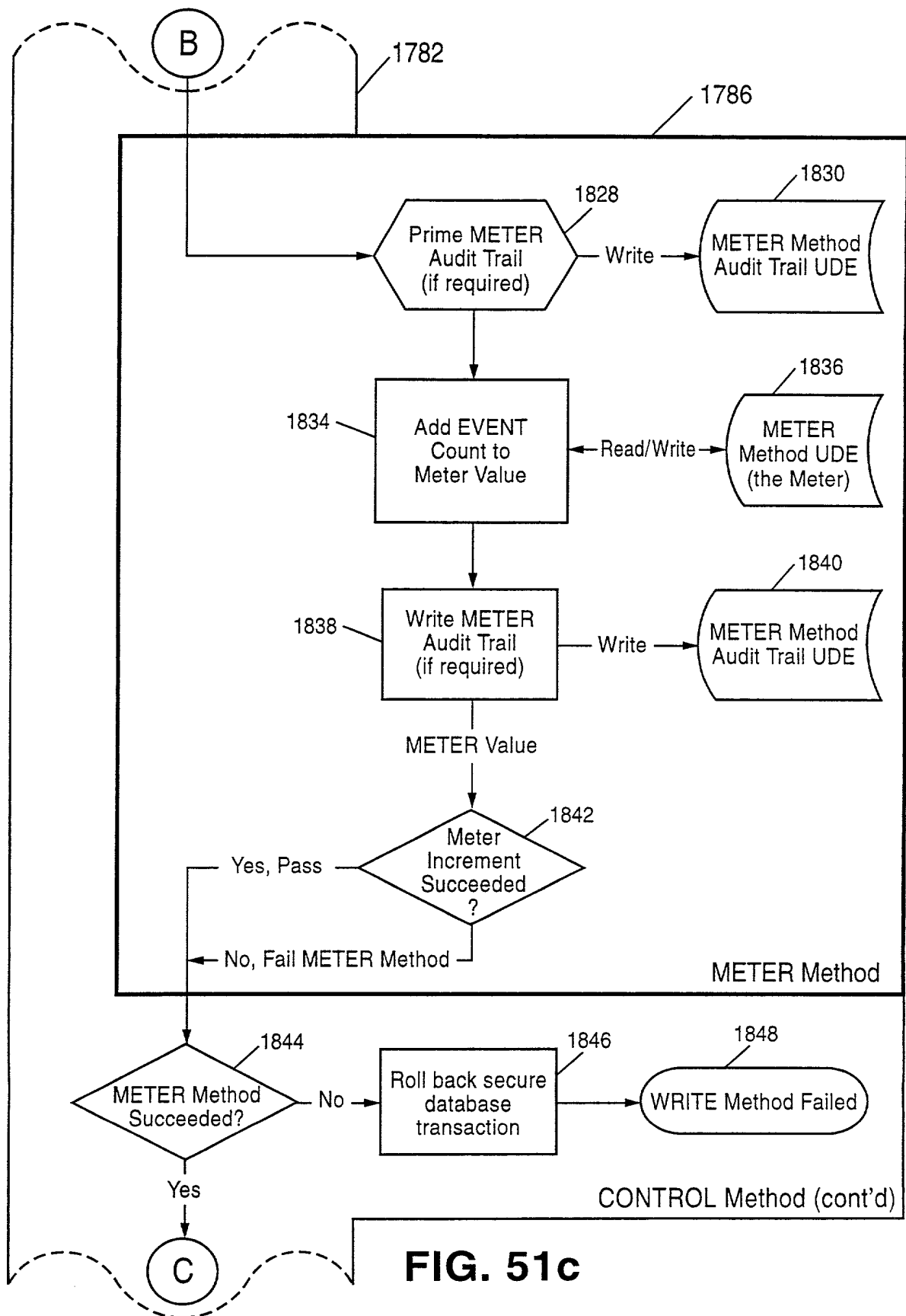


FIG. 51c

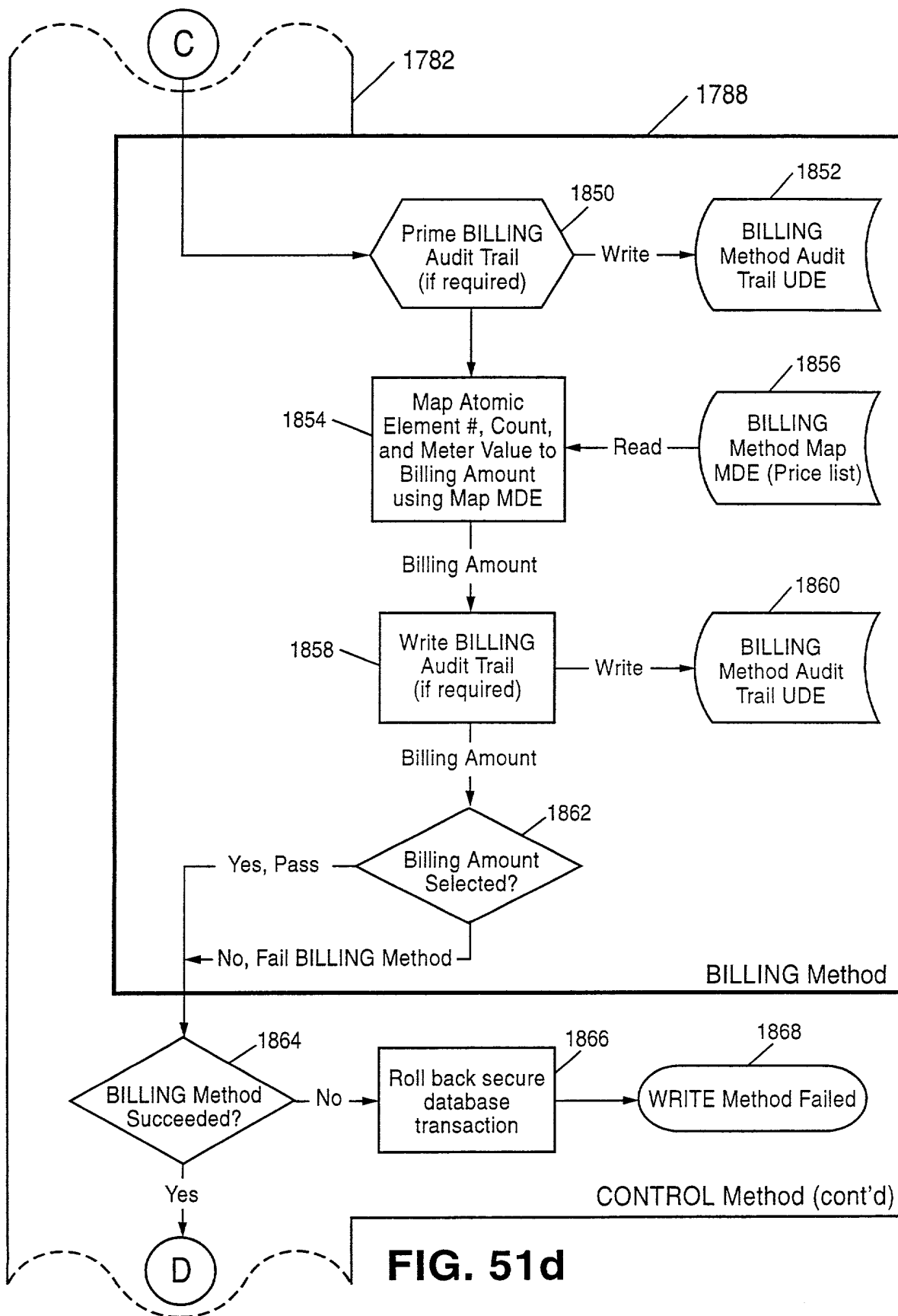
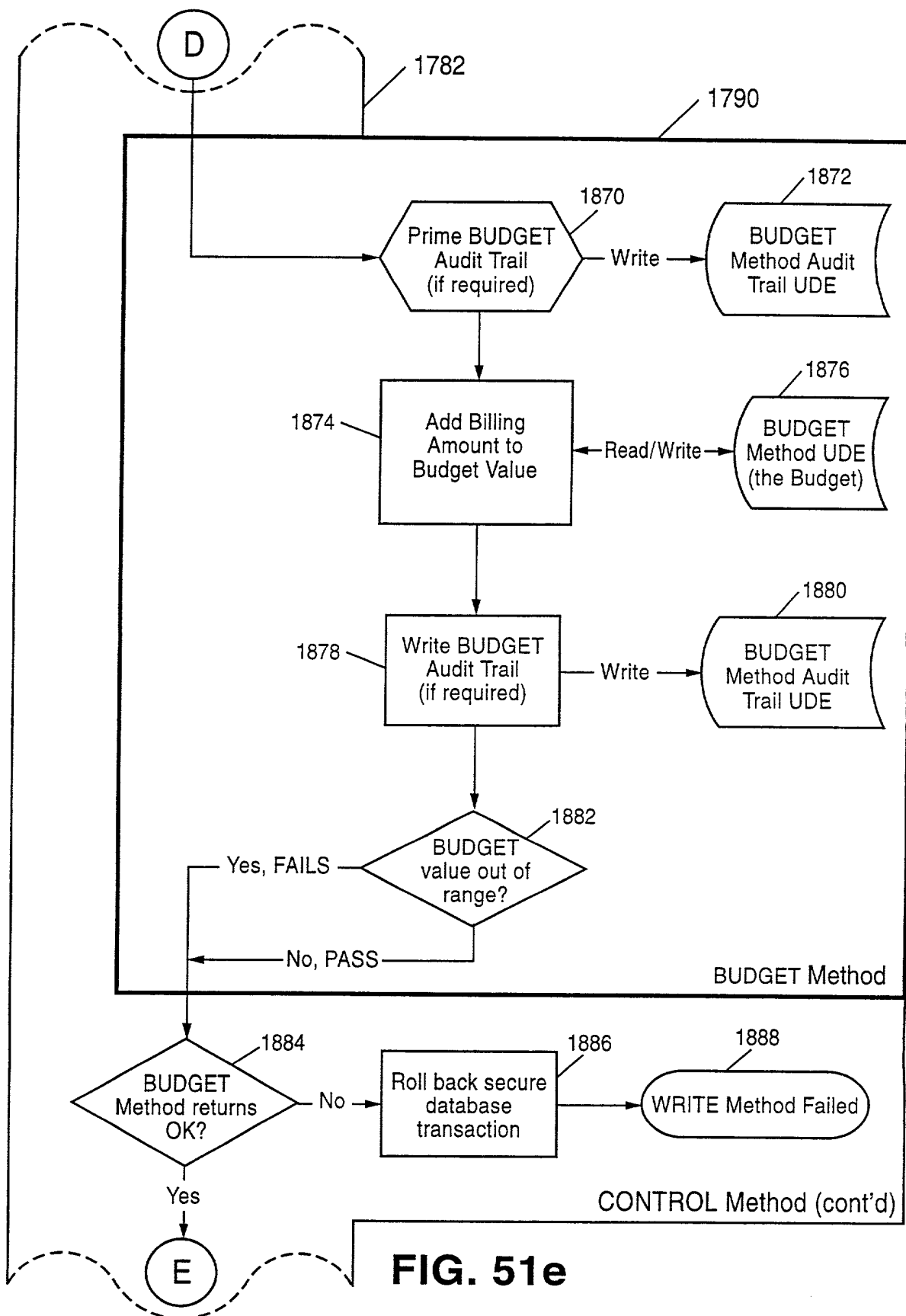


FIG. 51e



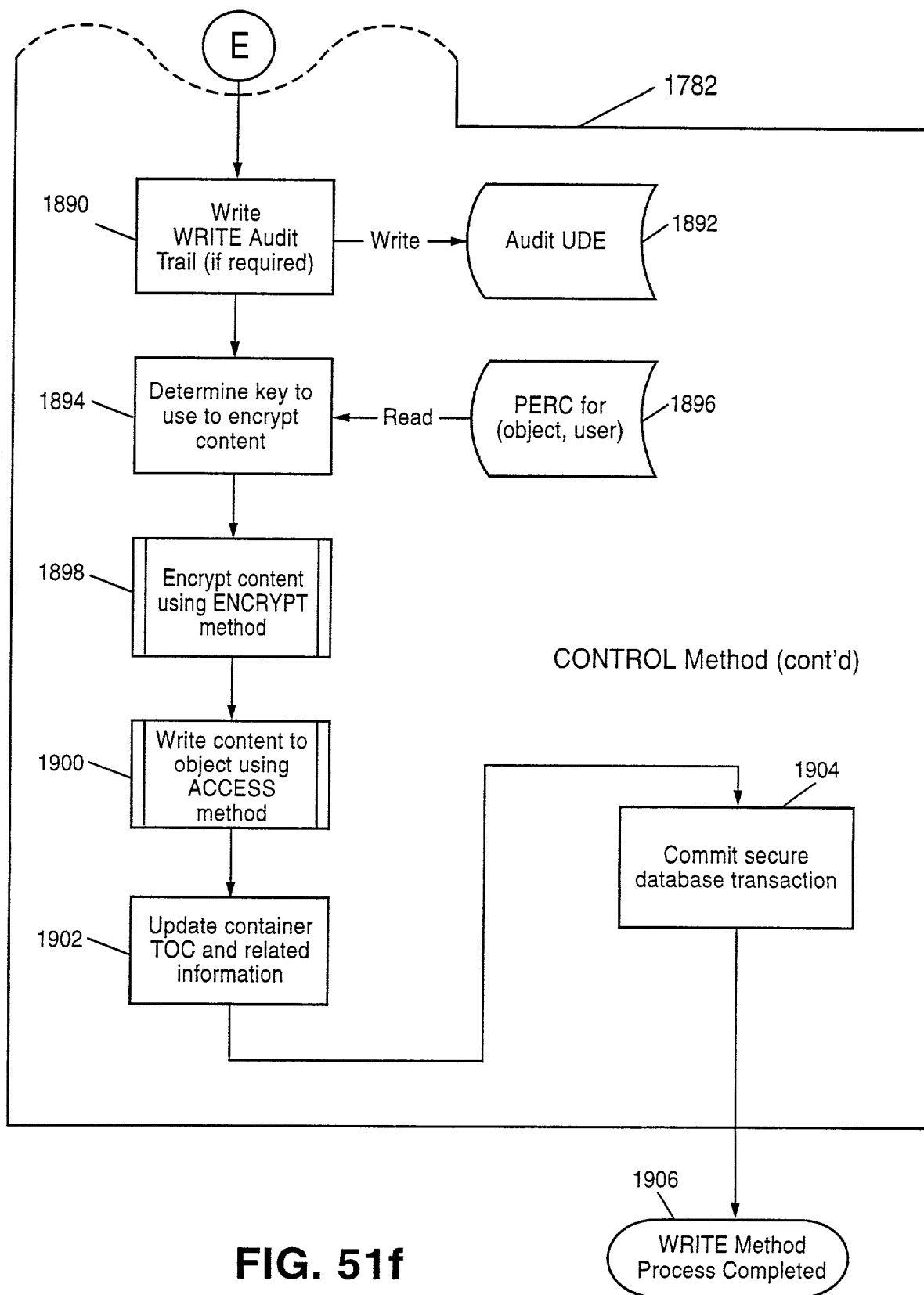


FIG. 51f

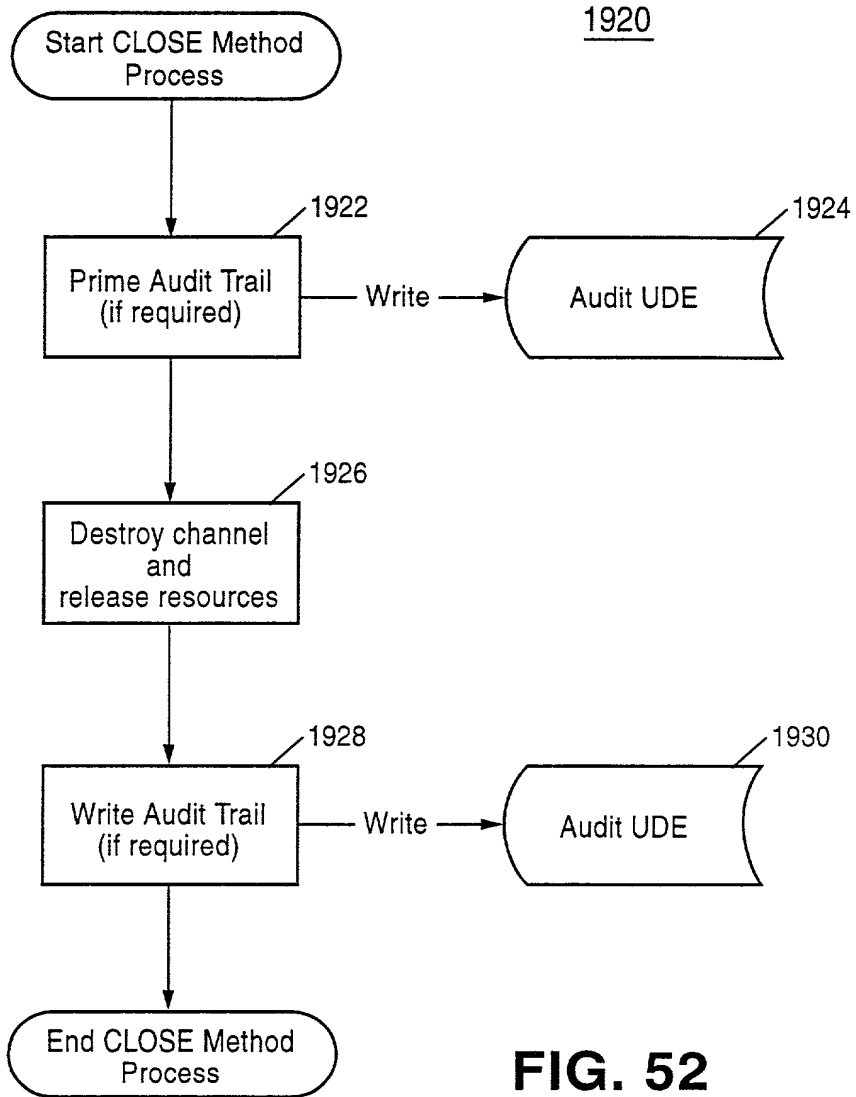


FIG. 52

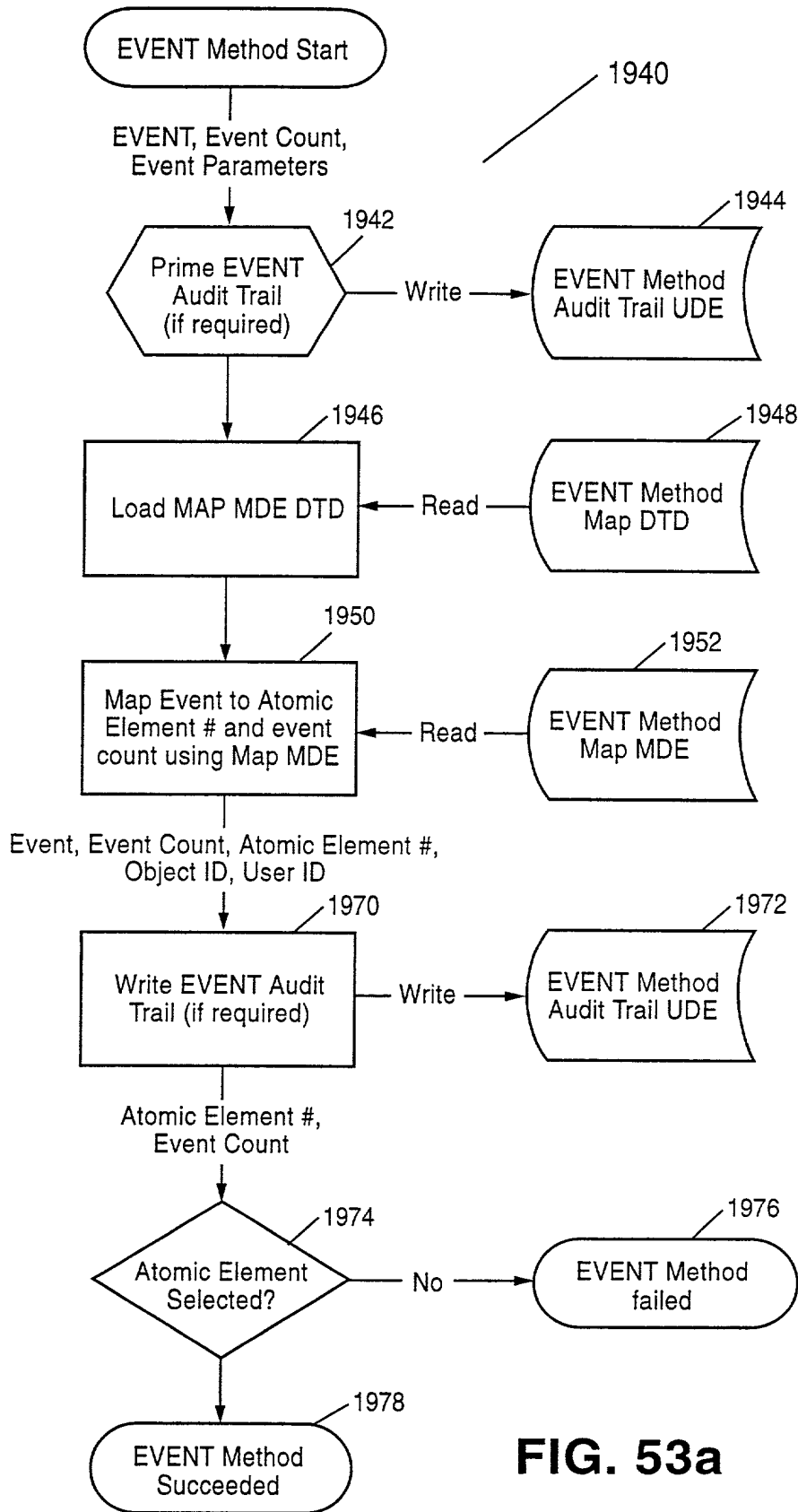


FIG. 53a

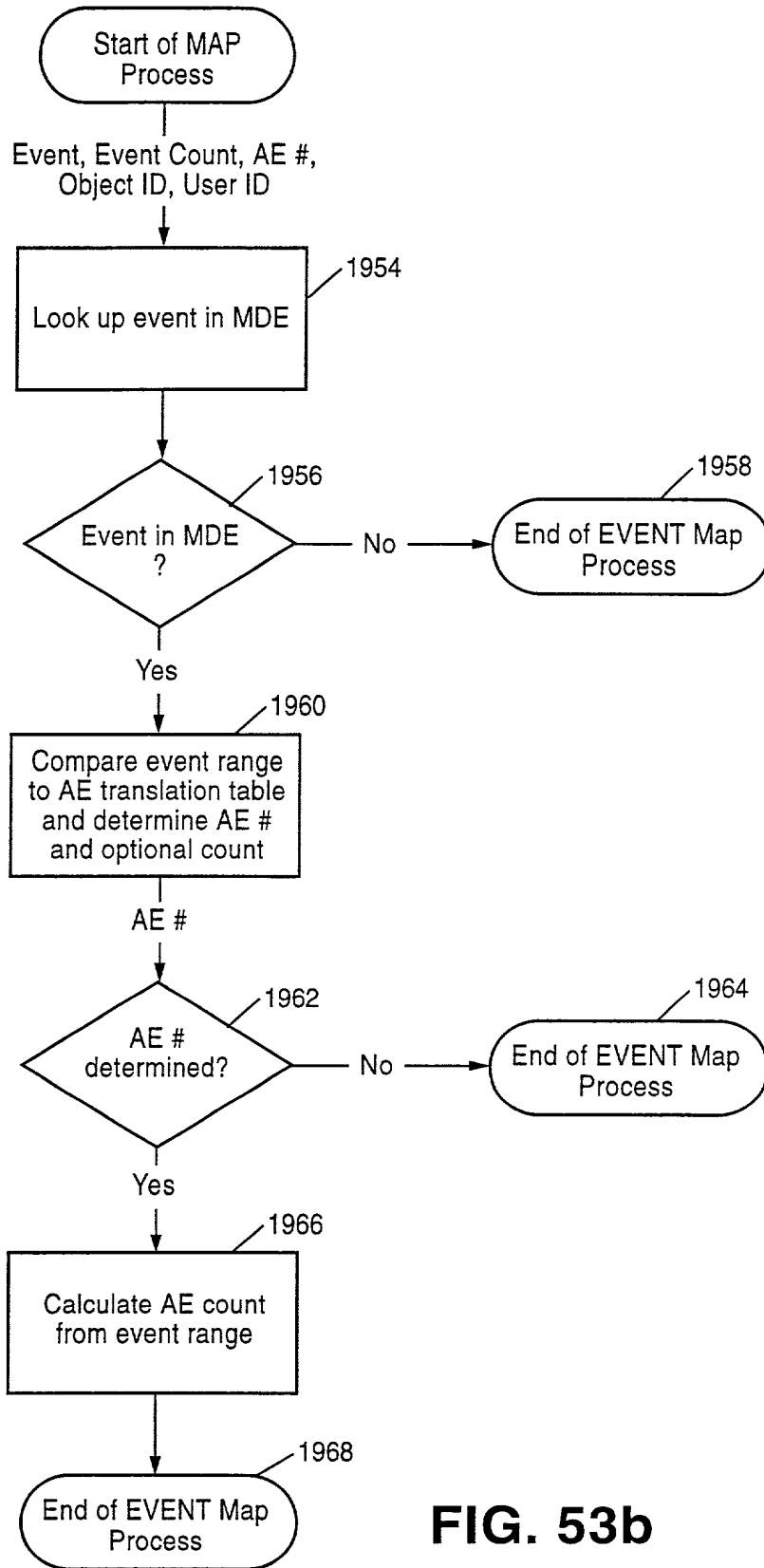


FIG. 53b

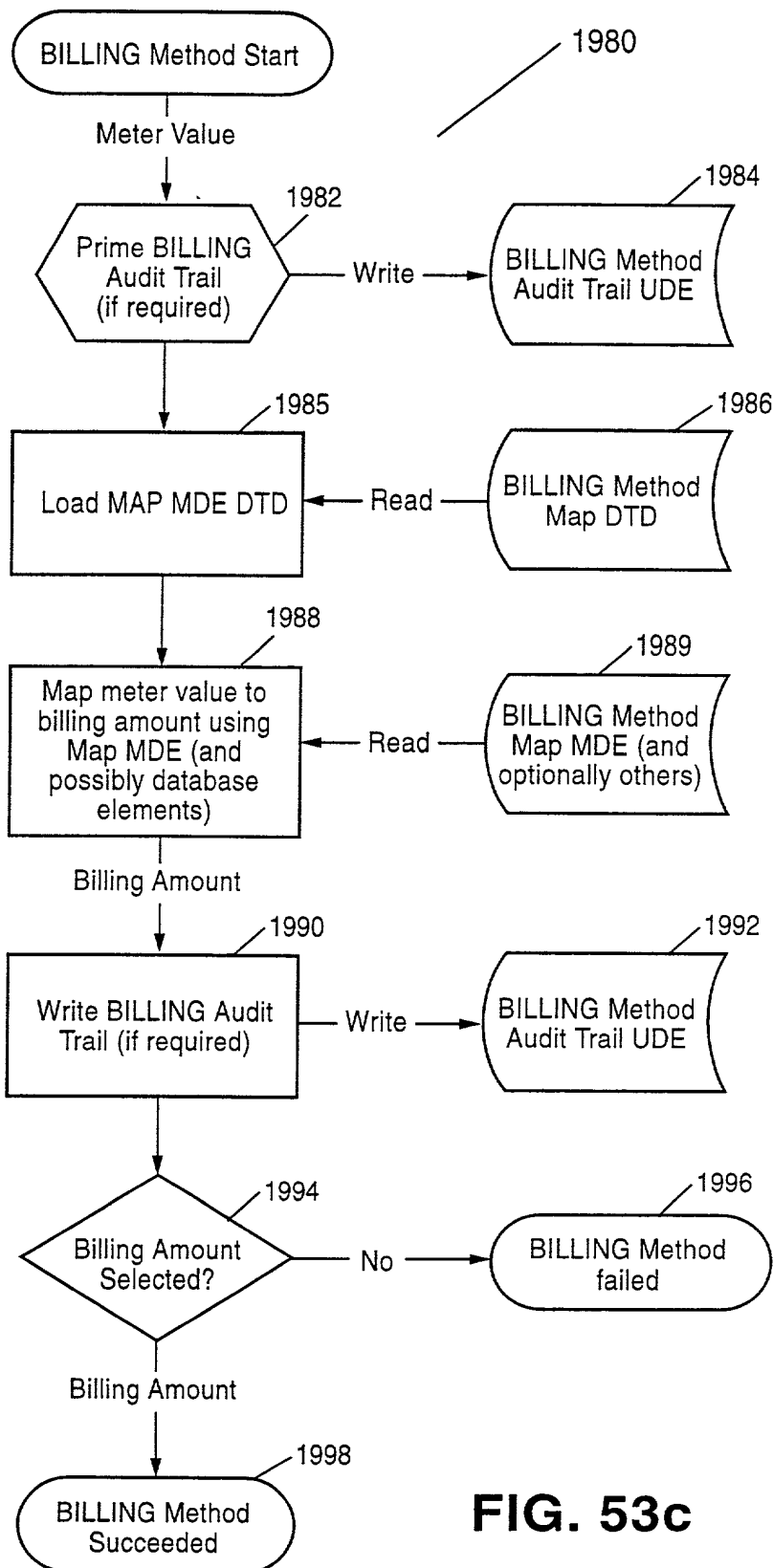


FIG. 53c

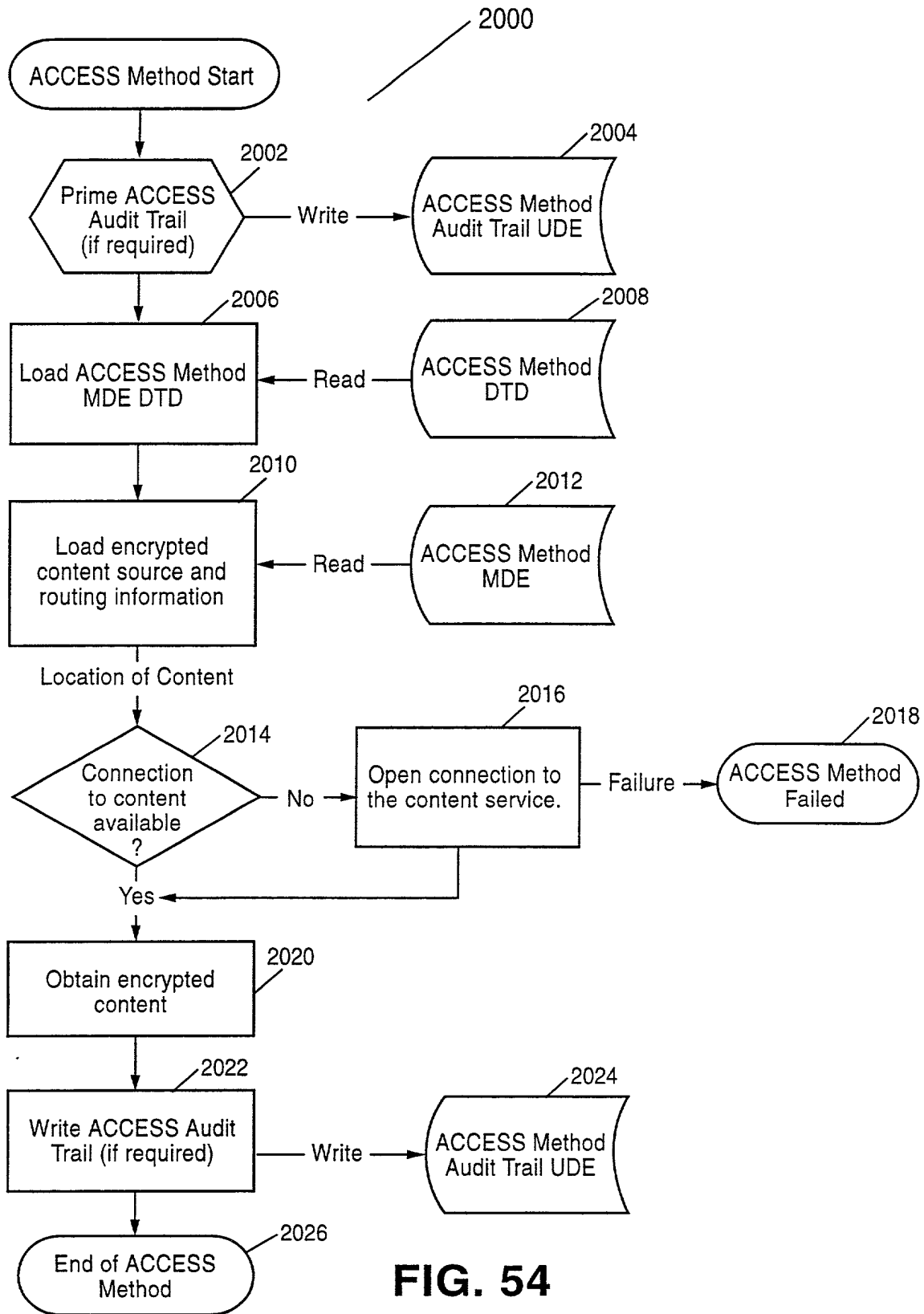


FIG. 54

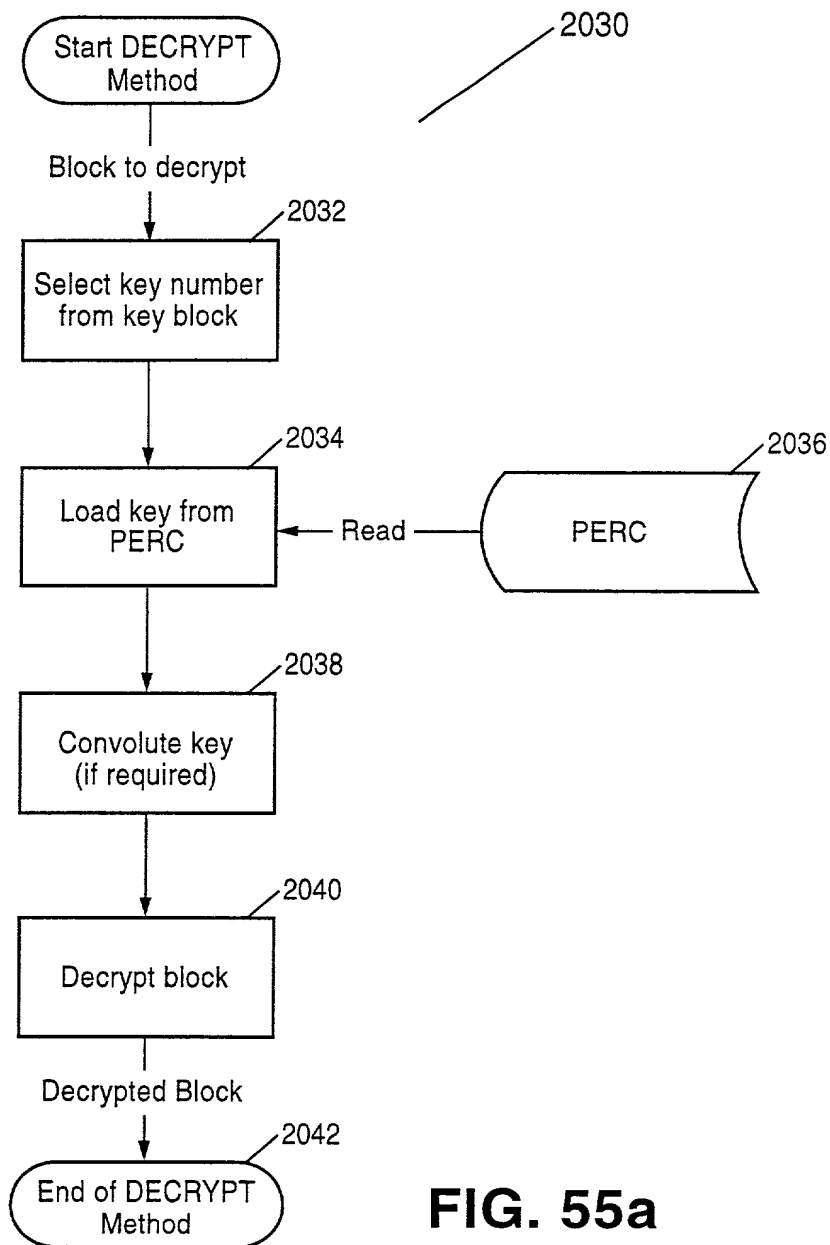


FIG. 55a

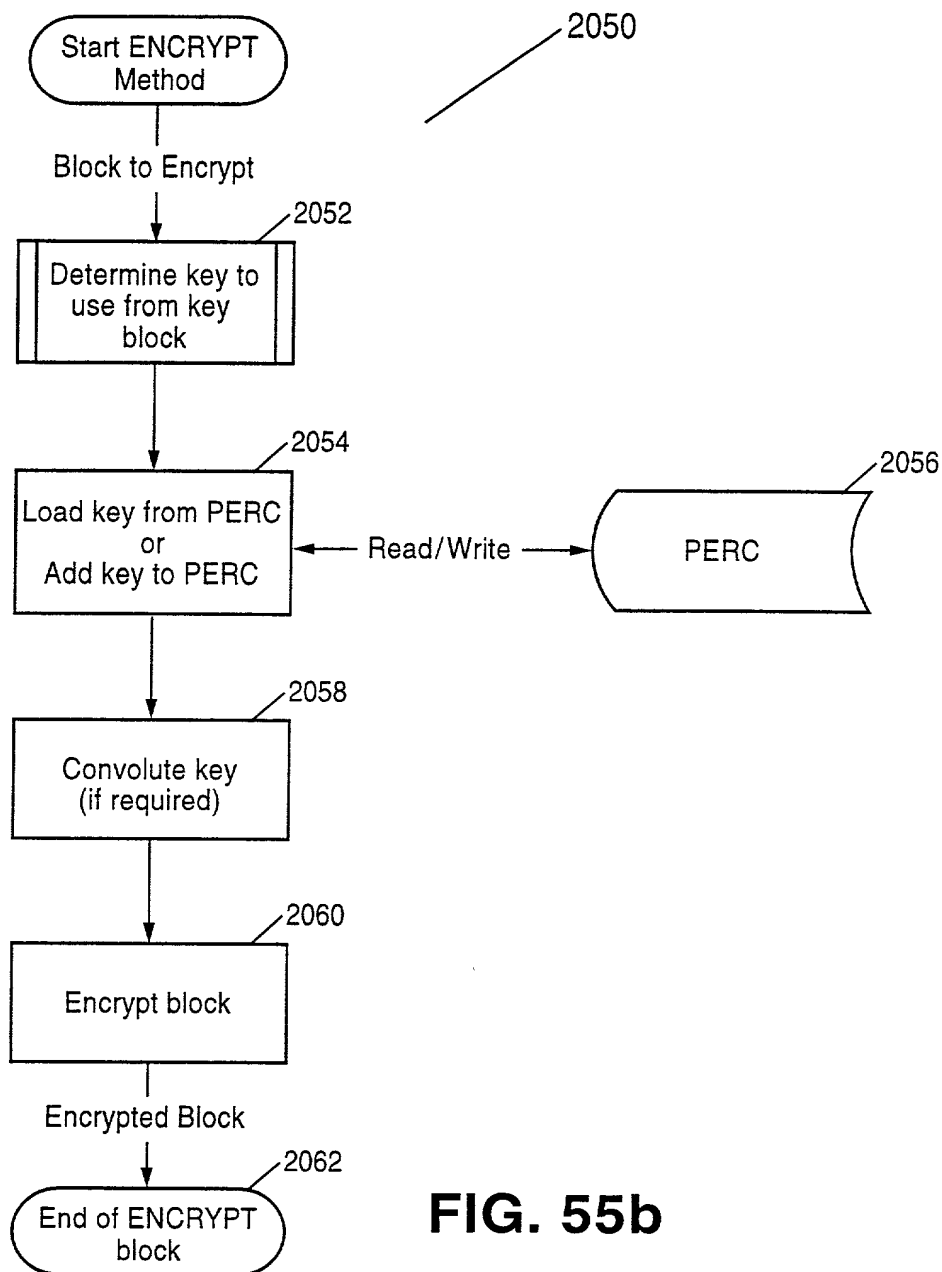


FIG. 55b

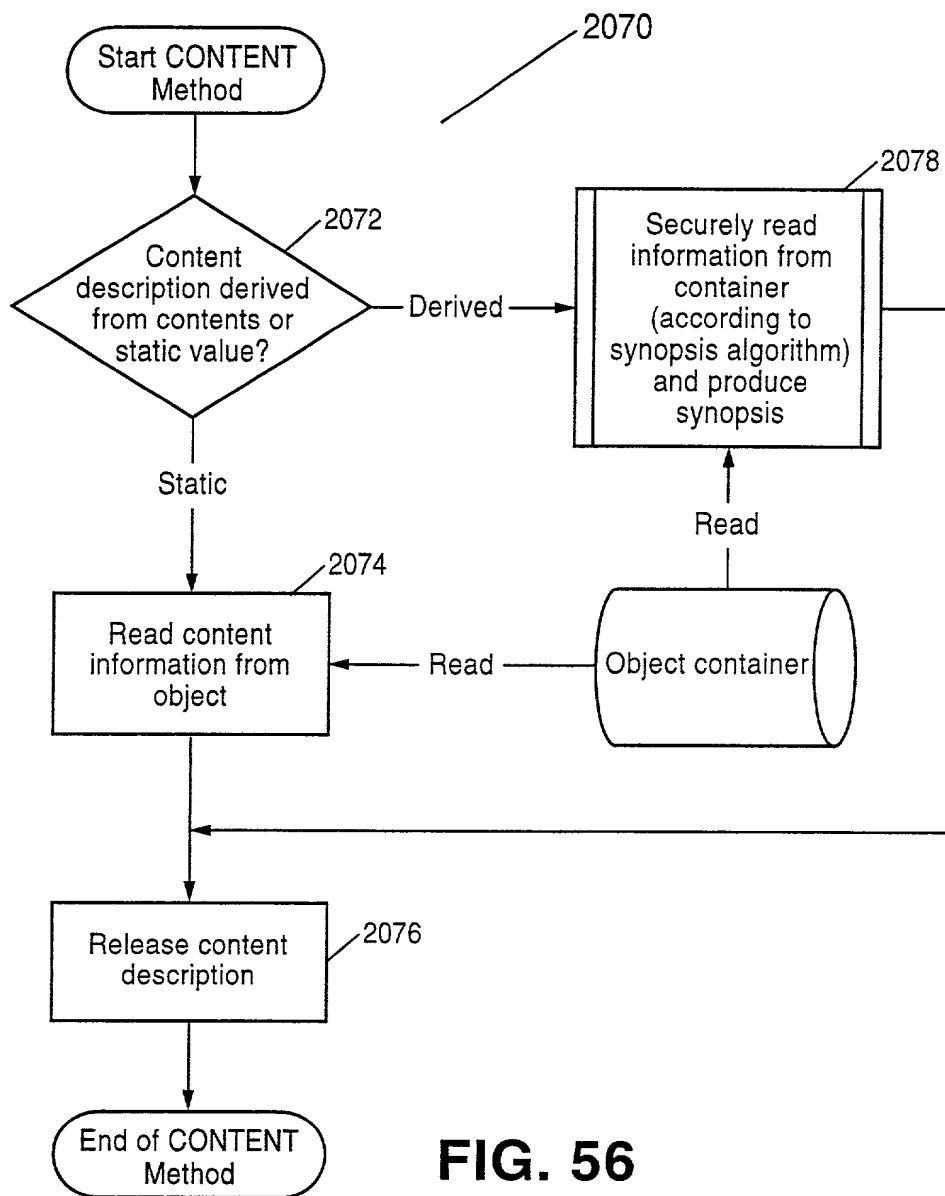


FIG. 56

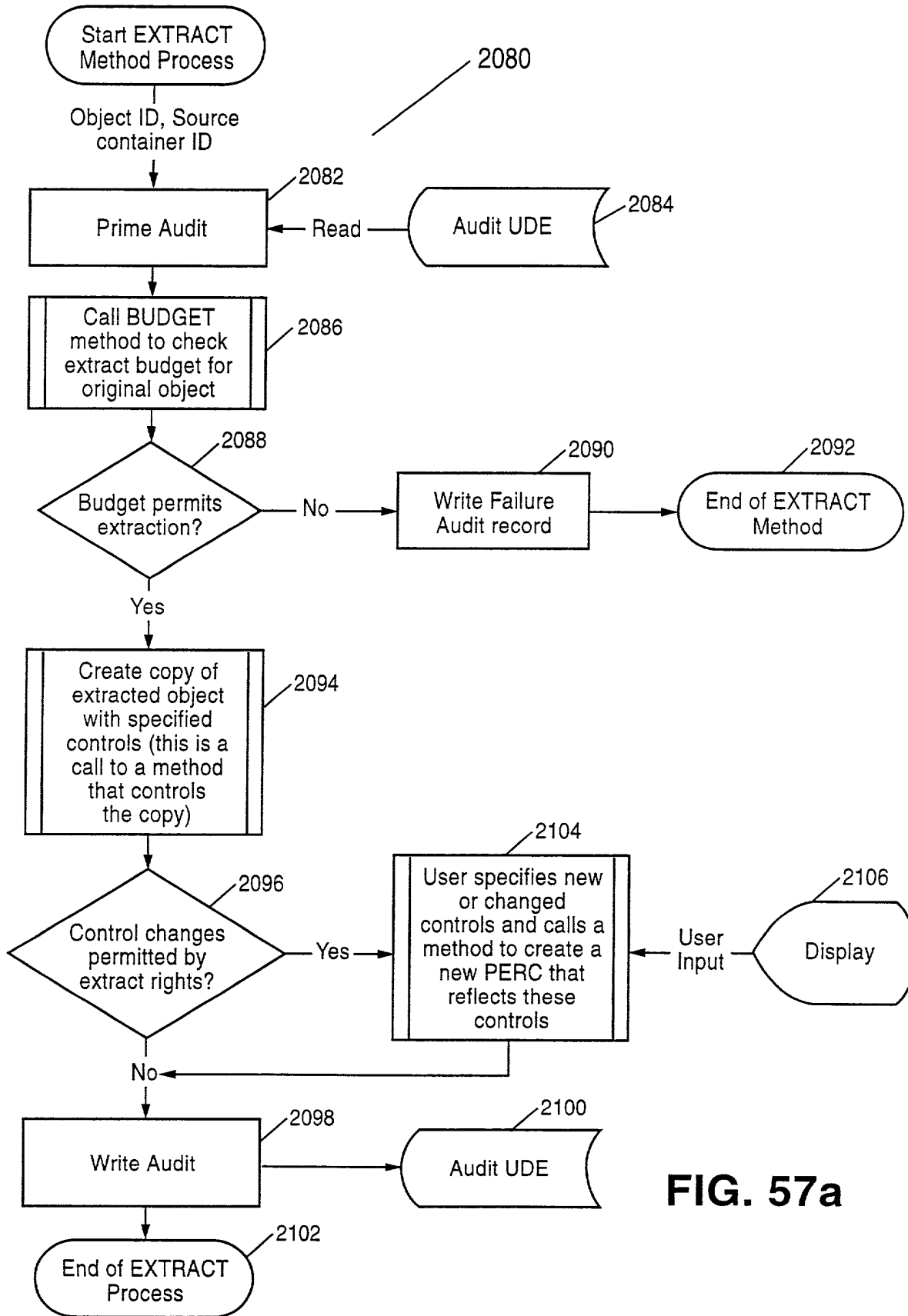


FIG. 57a

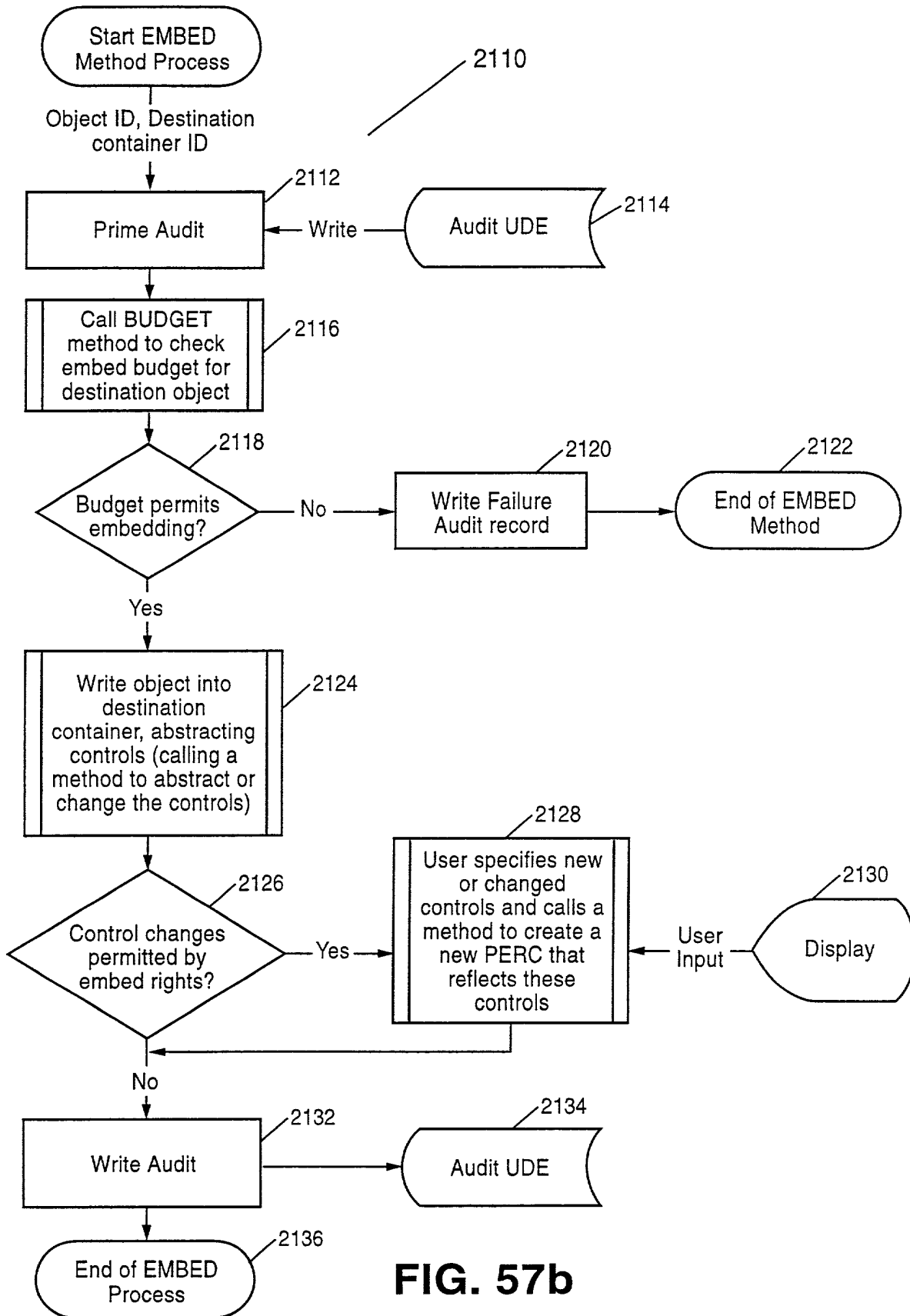


FIG. 57b

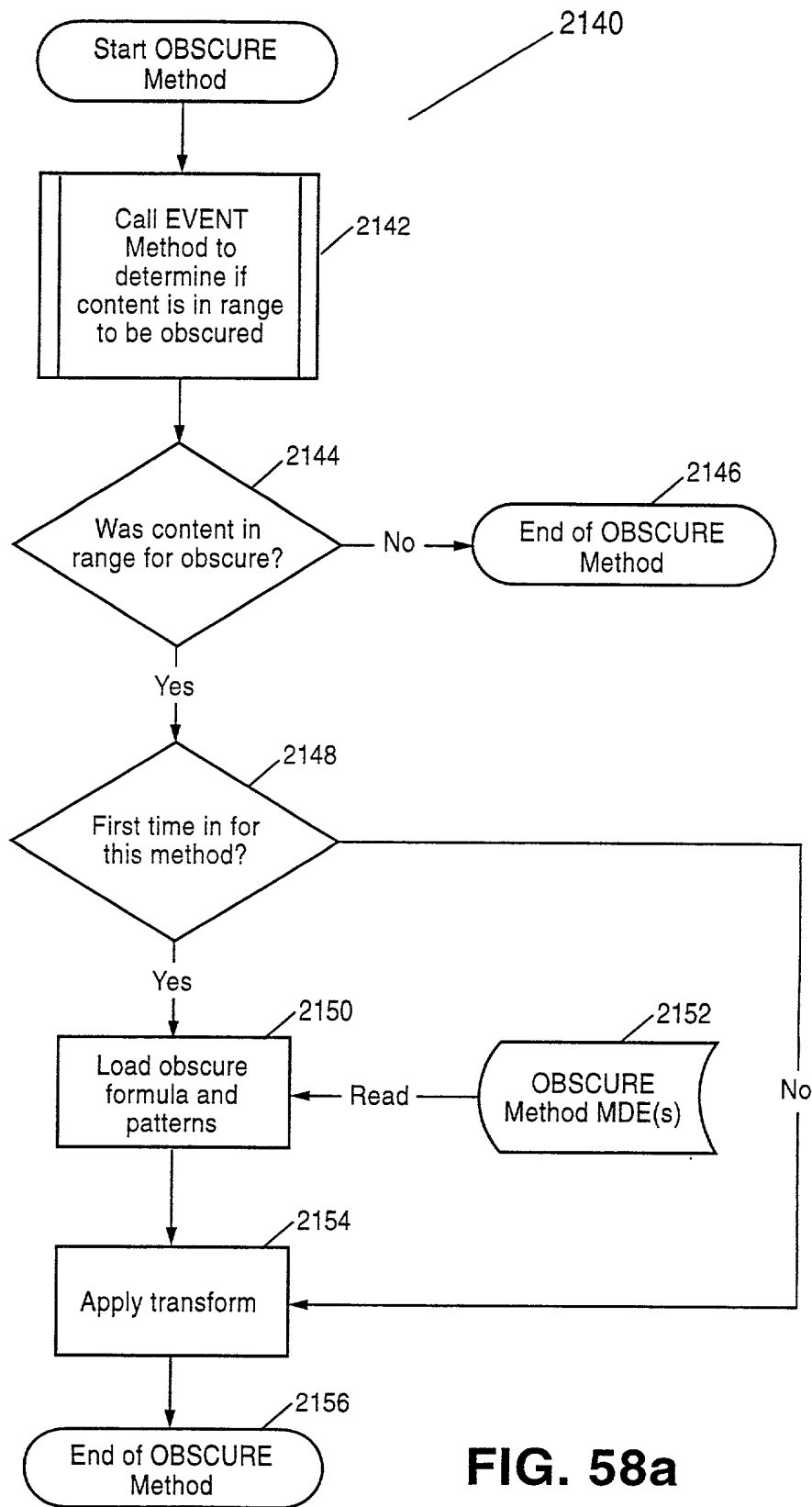


FIG. 58a

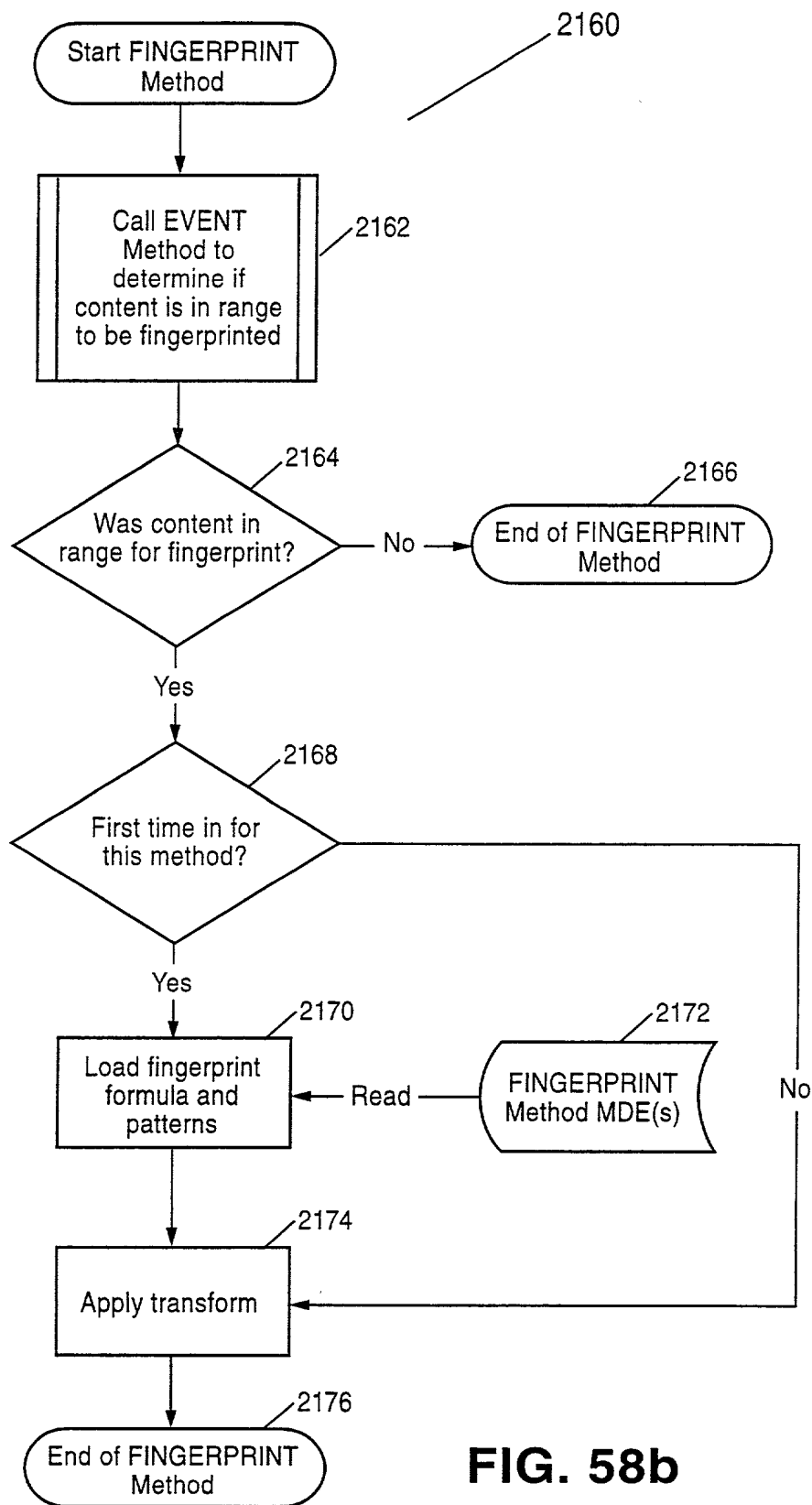


FIG. 58b

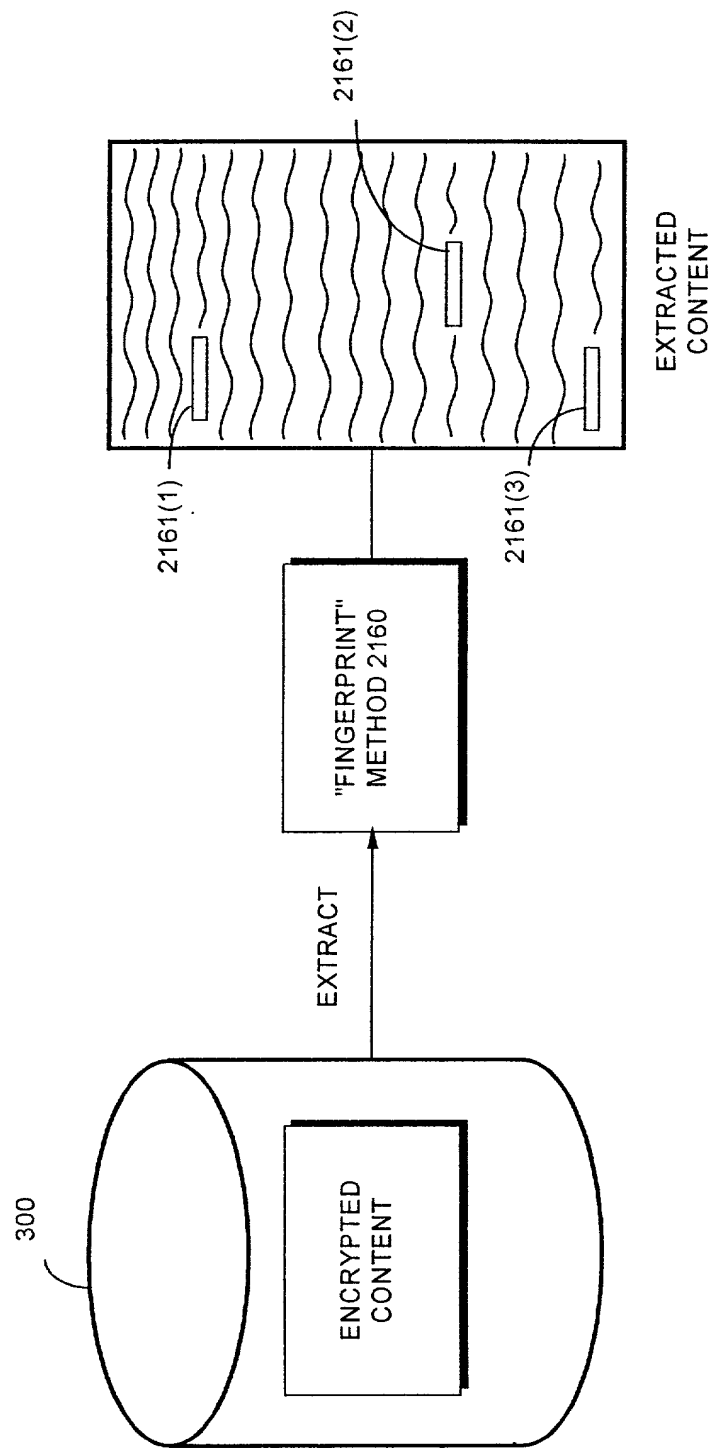


FIG. 58C

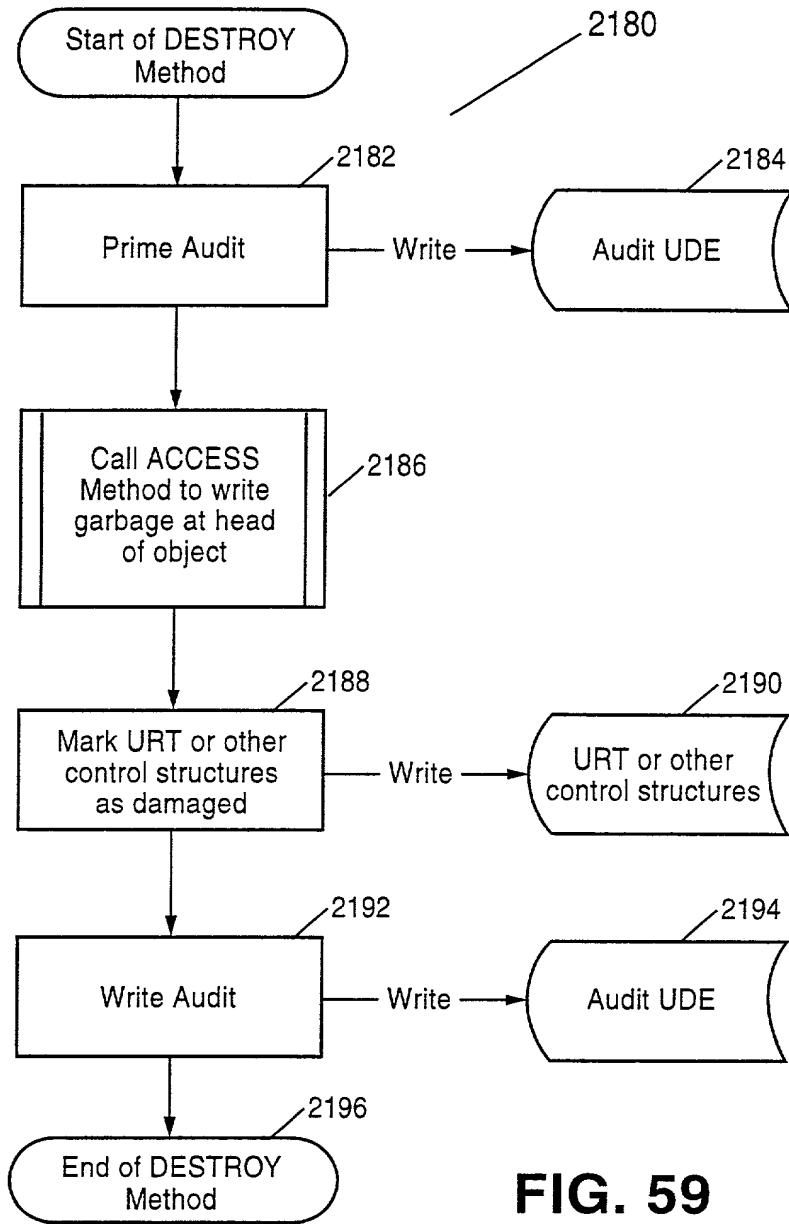


FIG. 59

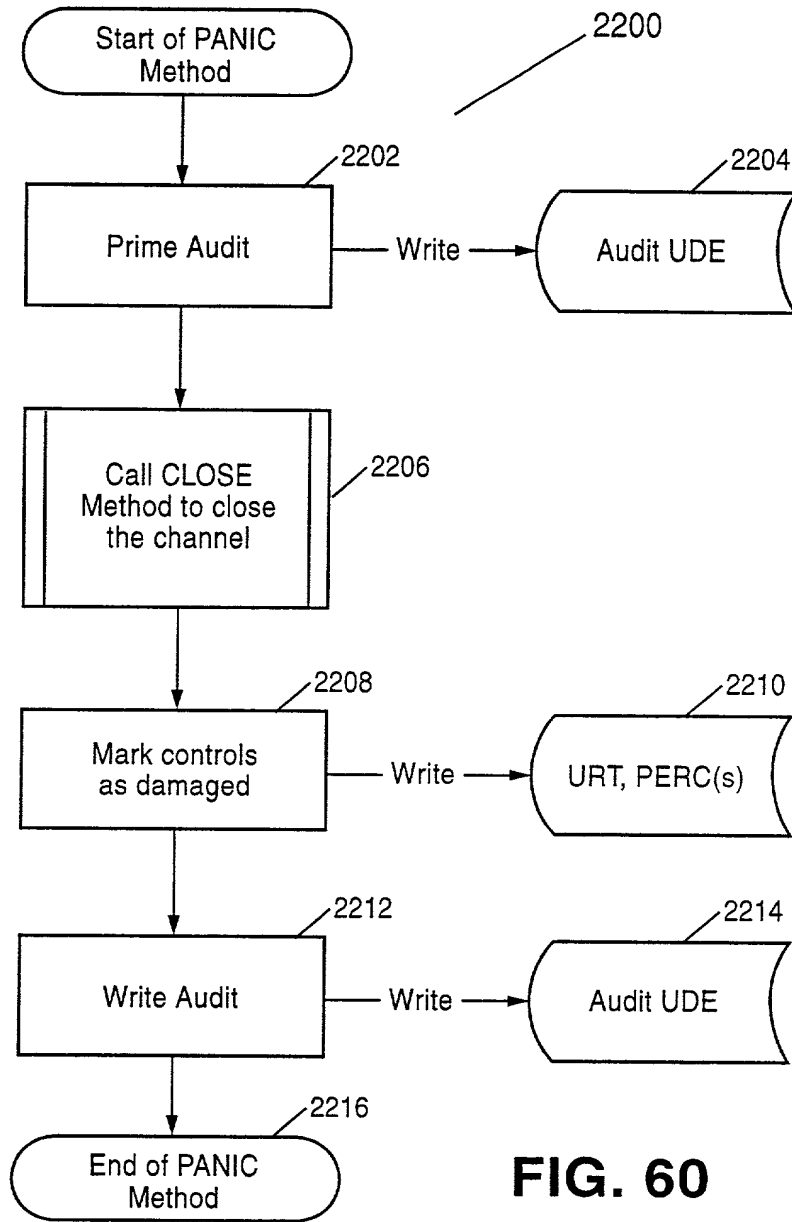


FIG. 60

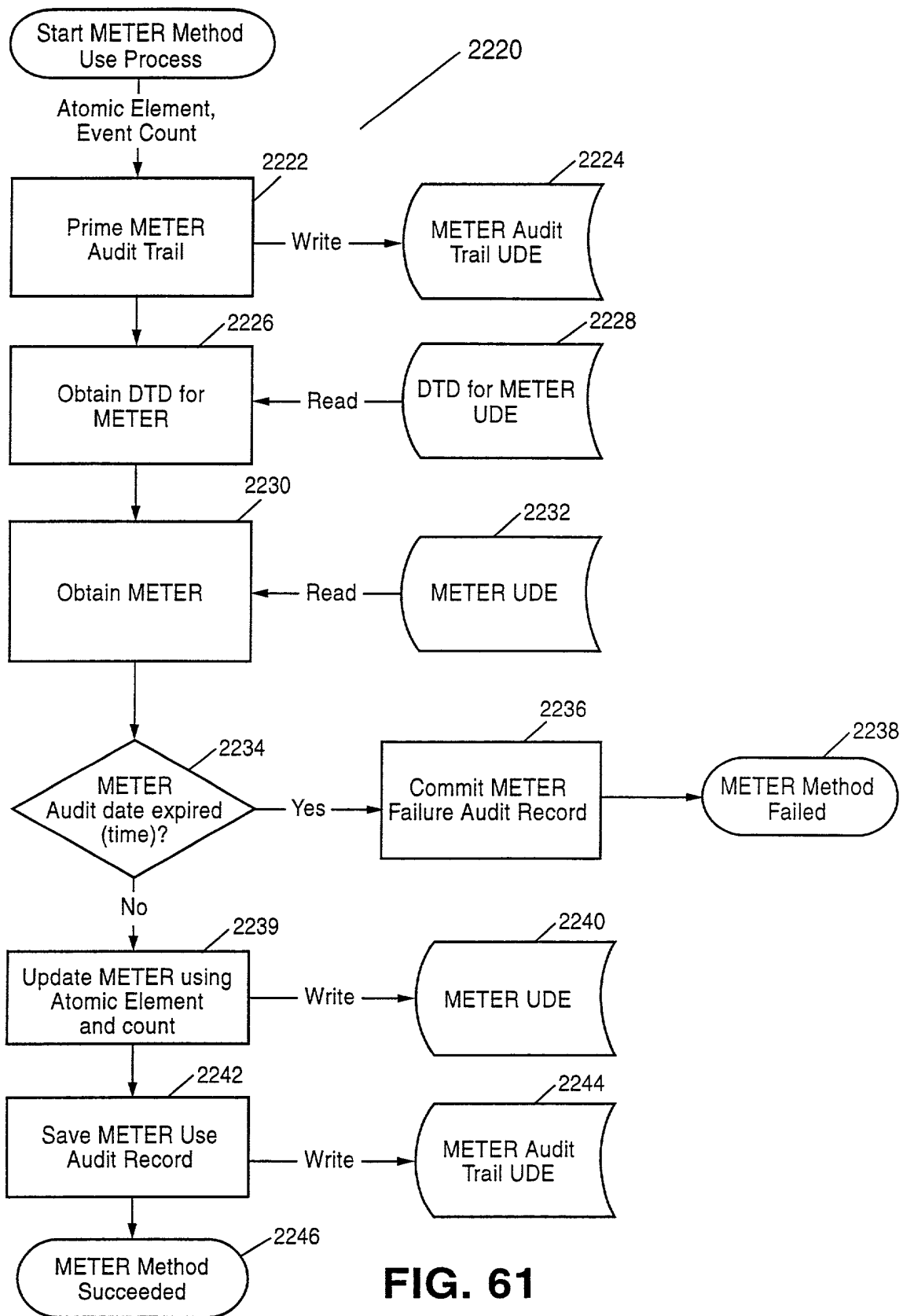
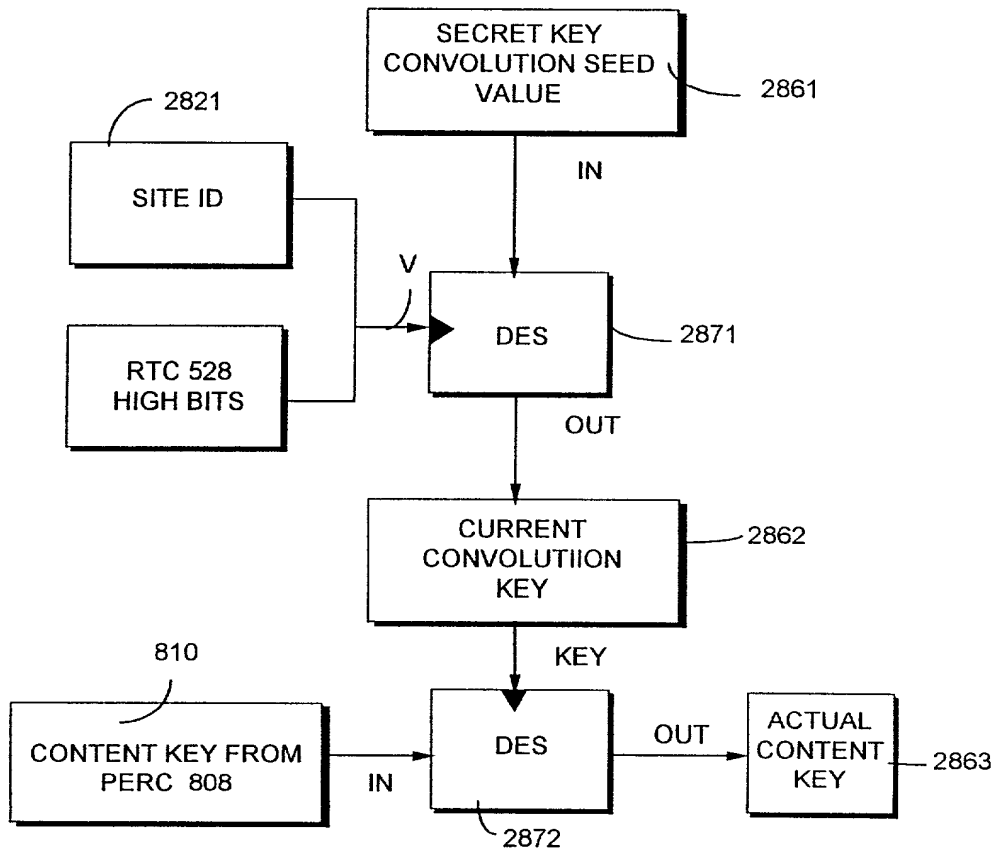


FIG. 61

FIG. 62



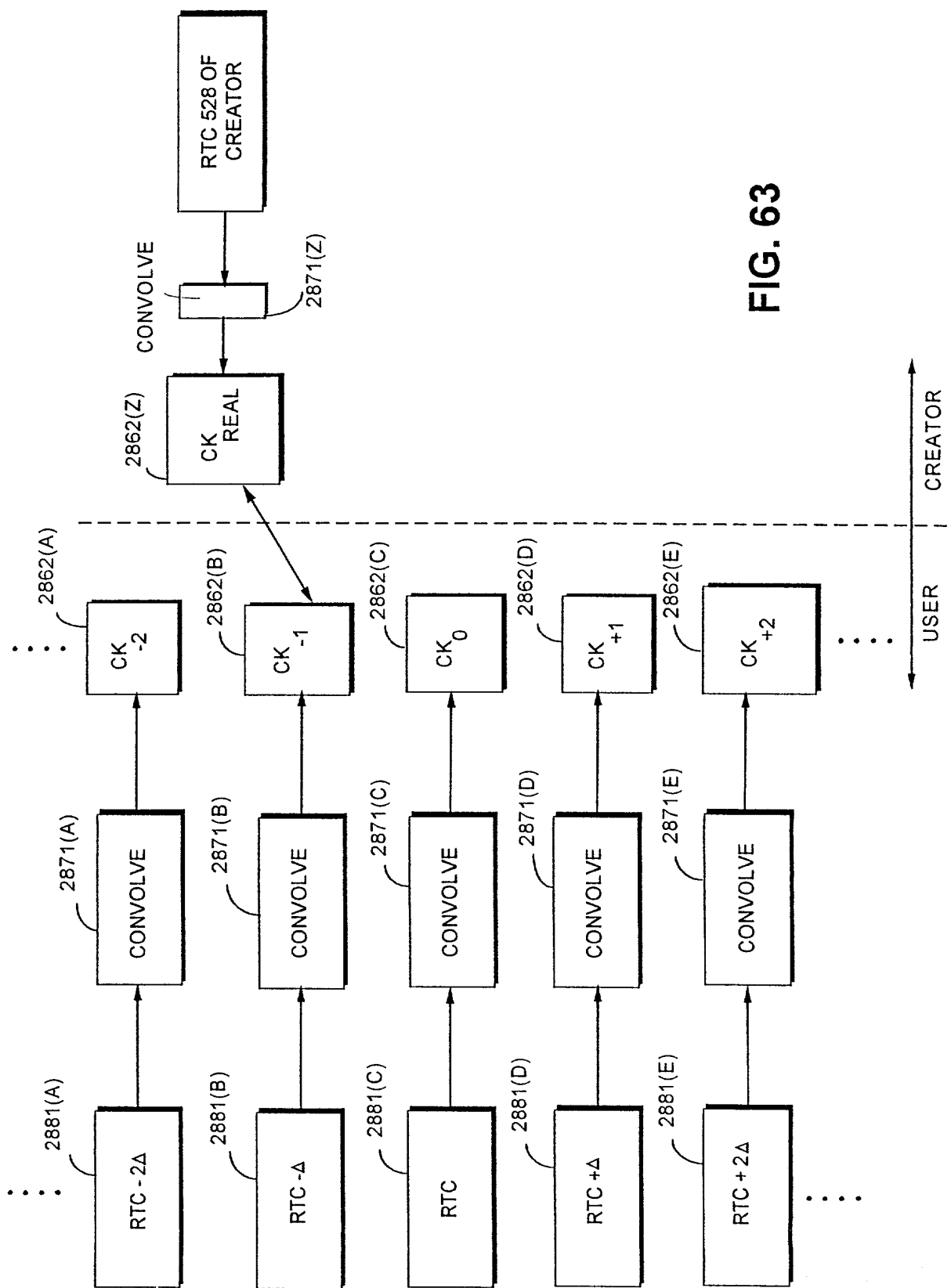


FIG. 63

FIG. 64

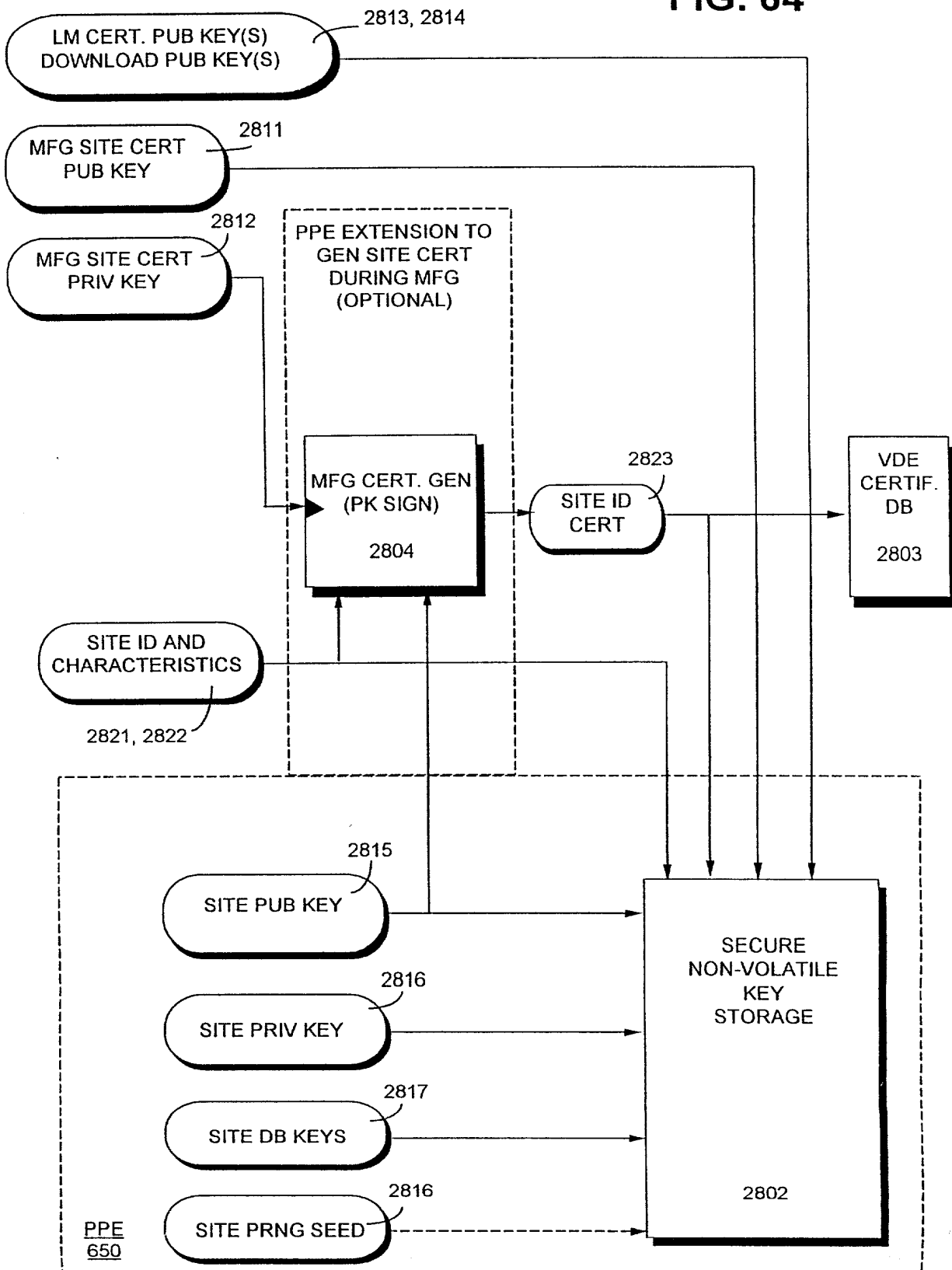


FIG. 65

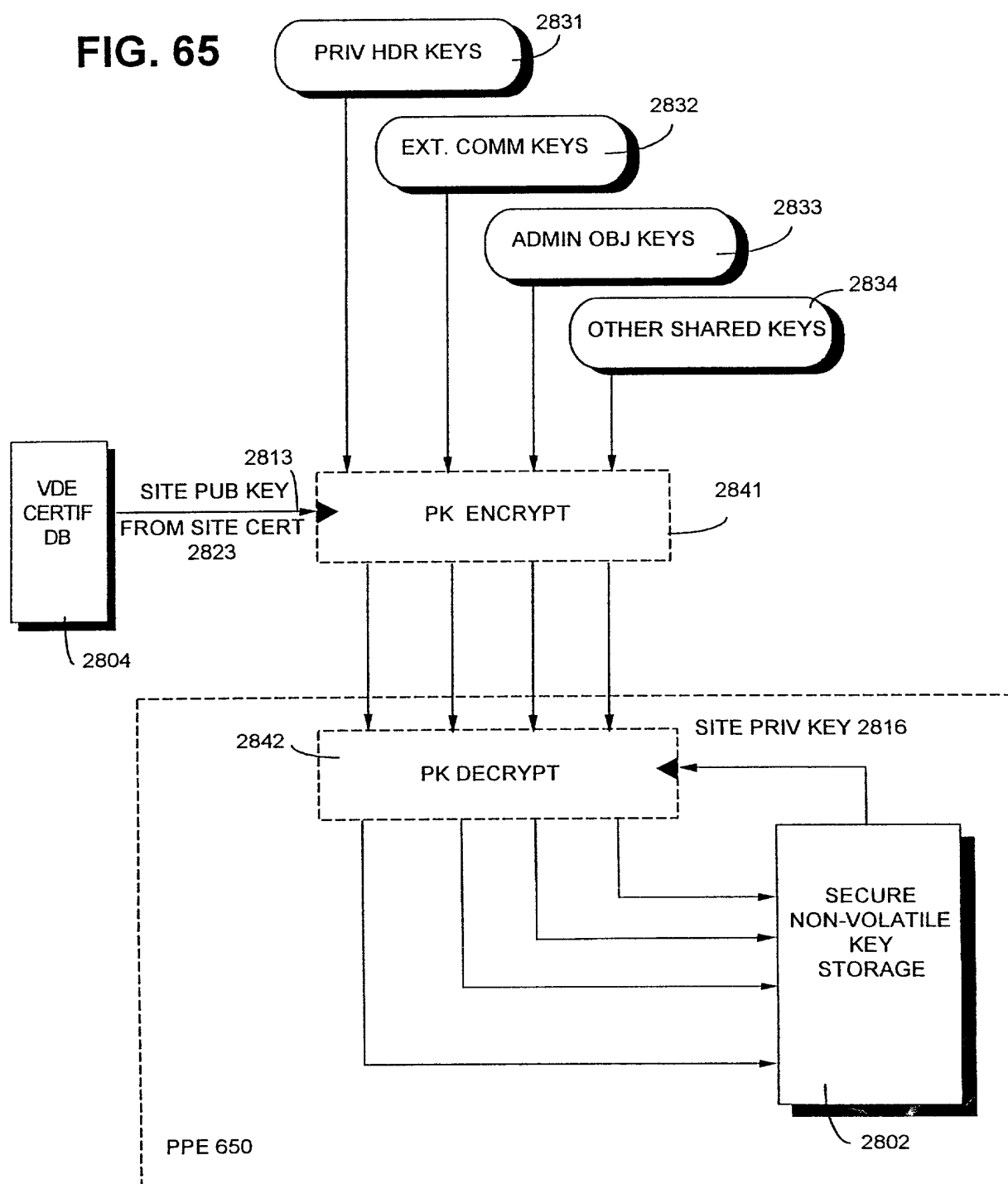
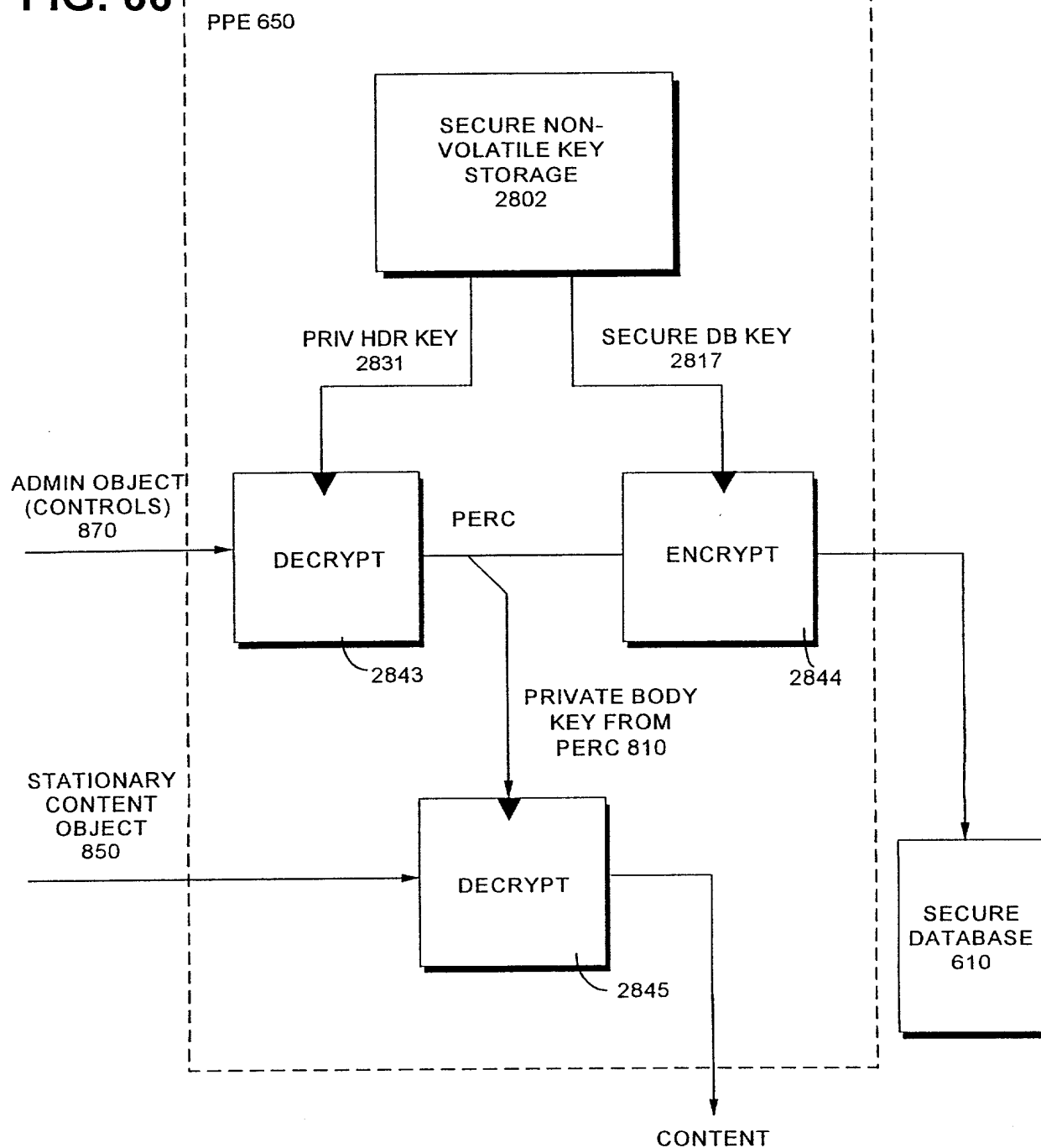


FIG. 66



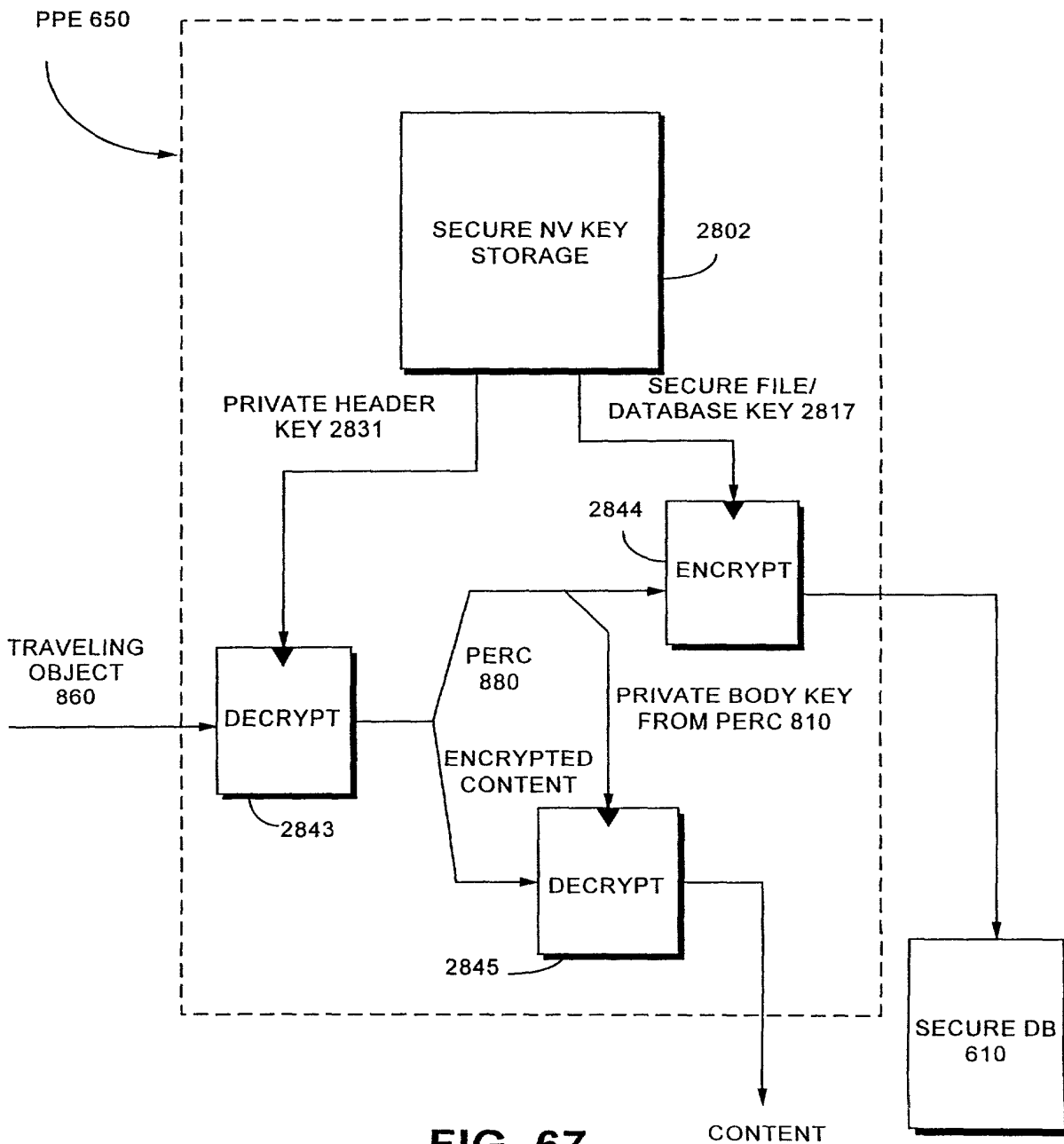
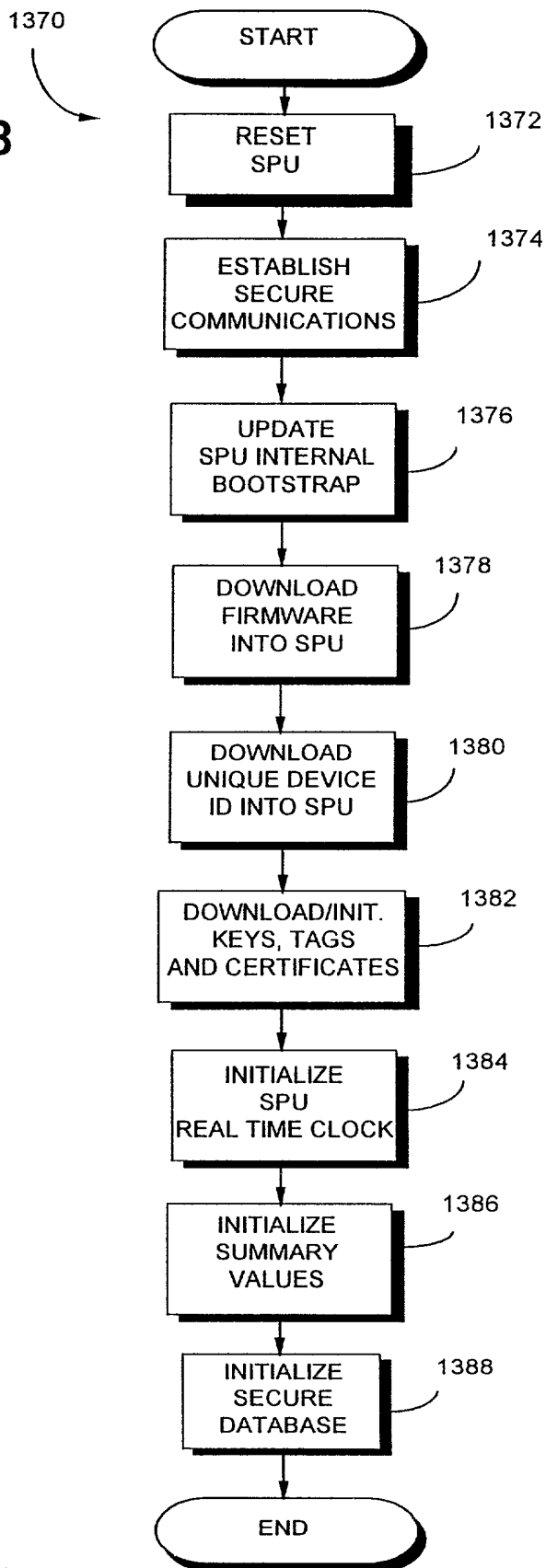


FIG. 67

FIG. 68





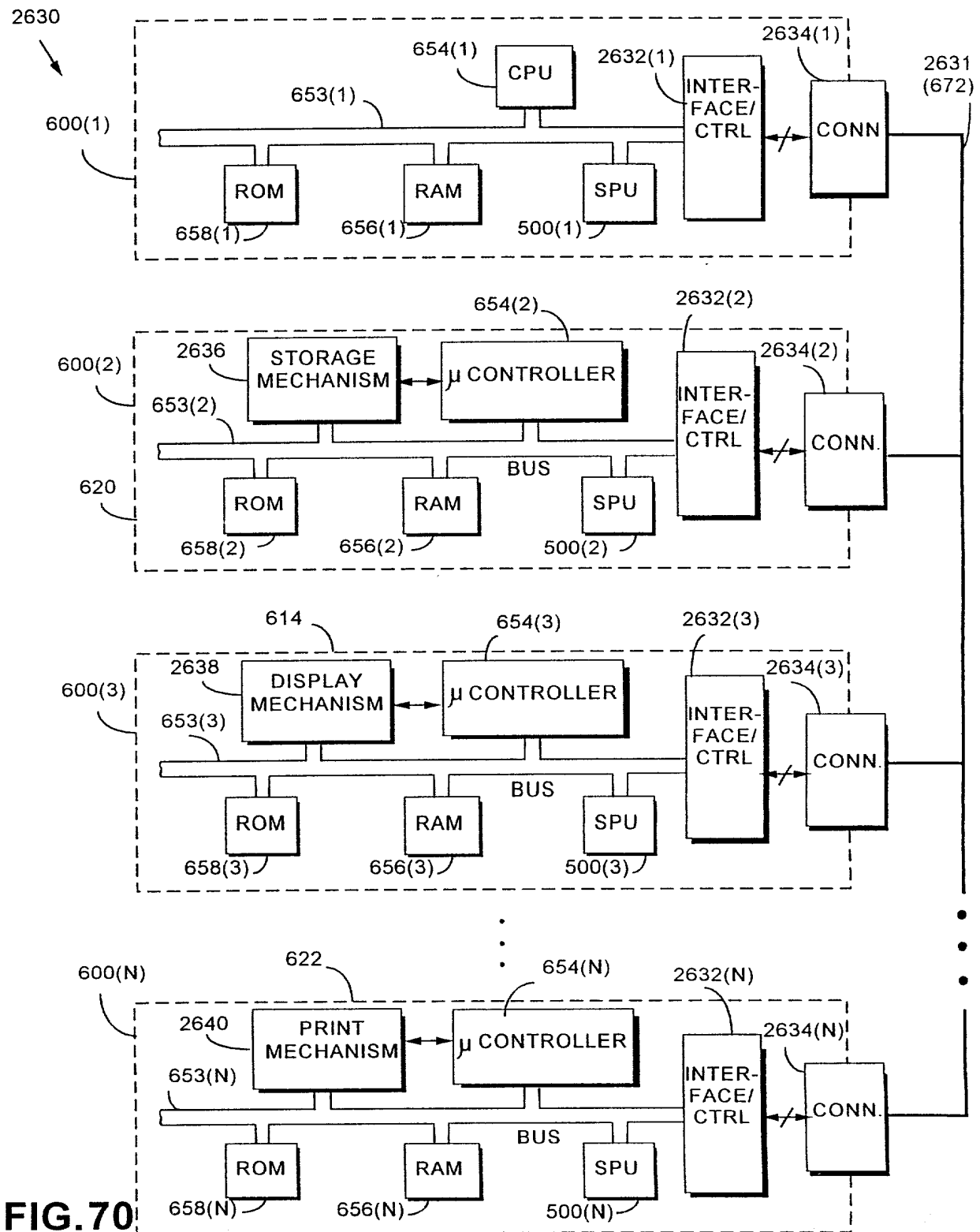
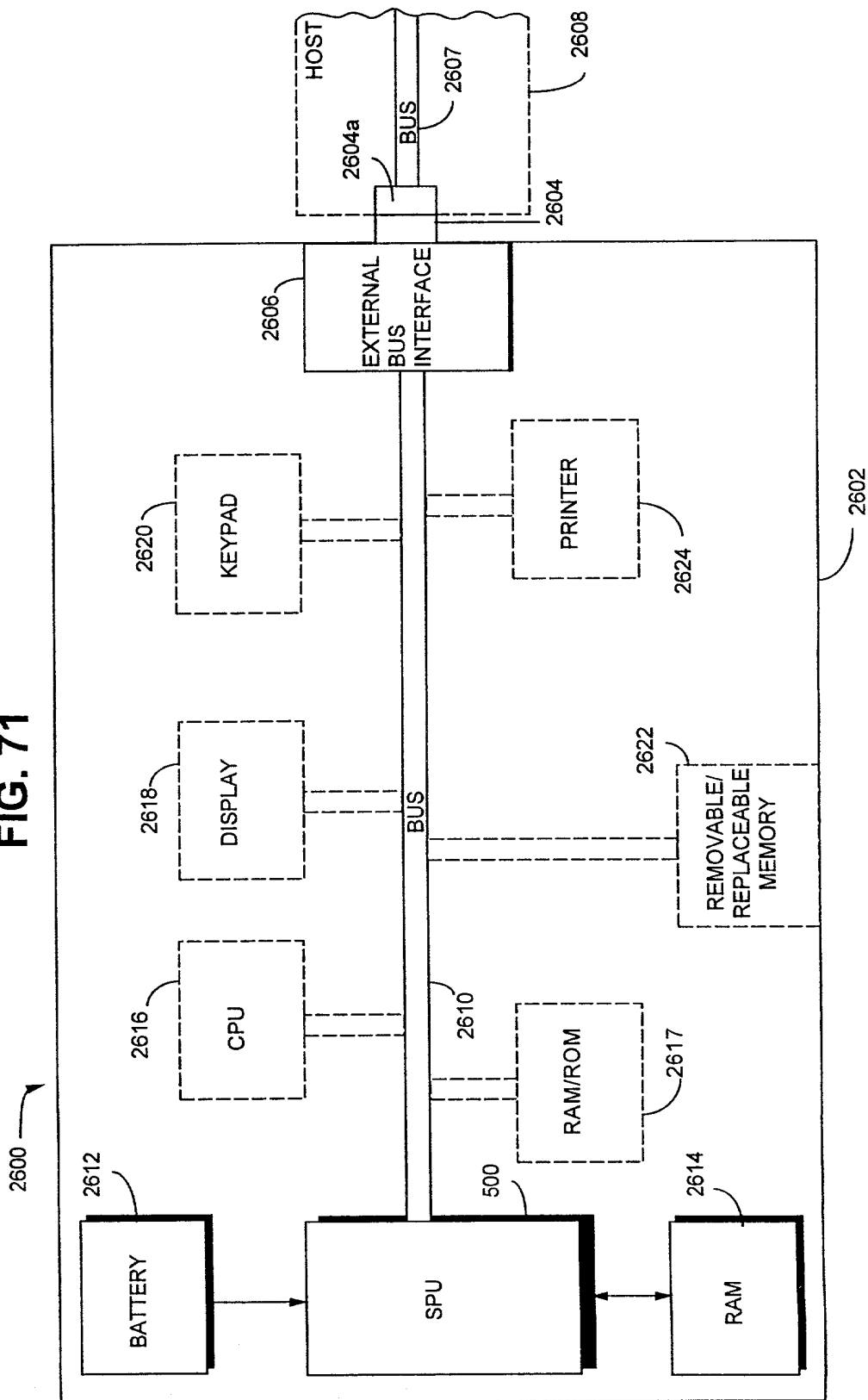


FIG. 70

FIG. 71



LOG IN USER INTERFACE

182

A login interface window with a title bar. It contains two input fields: 'USER NAME:' with the text 'SHEAR, V.' and 'PASSWORD:' with five asterisks. To the right of these fields are three buttons: 'LOGIN', 'CANCEL', and 'HELP'. At the bottom left, there is a checkbox labeled 'LOGIN AT STARTUP'.

FIG. 72A

FIG. 72B

A dialog box with a warning icon (triangle with an exclamation mark) in the top left. The main text reads 'YOU HAVE REQUESTED THESE PROPERTIES:'. Below this, the property name 'LOONEY TUNES NEWS!' is displayed. At the bottom left is a button labeled 'PROPERTY INFO'. In the center, the text 'Your Cost: \$7.50' is shown. On the right side, there are three buttons: 'CANCEL' at the top, 'APPROVE' in the middle, and 'SUSPEND' at the bottom. At the bottom right, the text 'MORE OPTIONS' is followed by a musical note icon. Reference numerals 2660, 2662, and 2664 point to the 'CANCEL' button, the 'APPROVE' button, and the 'MORE OPTIONS' text respectively.

FIG. 72C

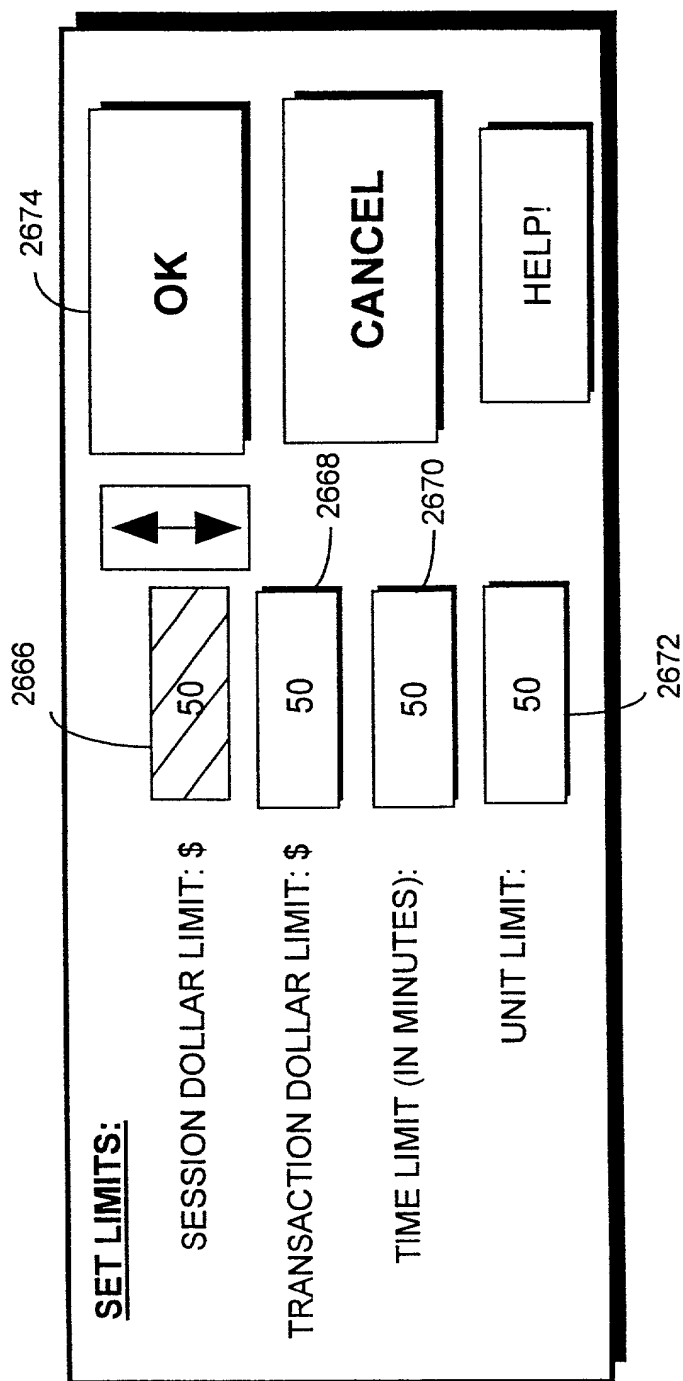
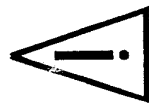


FIG. 72D



YOU HAVE REQUESTED THESE PROPERTIES:

LOONEY TUNE NEWS!

YOUR COST : \$7.50

PROPERTY INFO

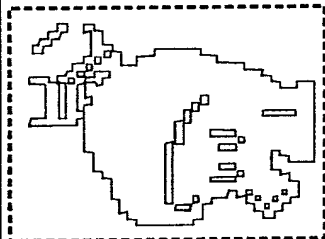
More Options ☒

Show Thumbnail

CANCEL

SUSPEND

APPROVE



PROPERTY:	SIZE:	PUBLISHER:	AMOUNT:	UNITS:	COST/UNIT:	TYPE:	USE?:	LINKS:	HIST:
CHUCK JONES BIOGRA...	256KB	WARNER NEW MEDIA	64	KBYTE	\$1.25	PREVIEW	✓	●	
▼ BUGS BUNNY.JPE...	1MB	WARNER NEW MEDIA	1	RECORD	\$5.00	DISPLAY	✓	●	
BUGS BUNNY.JPEG...	1MB	WARNER NEW MEDIA	10	RECORD	\$3.50	DISPLAY		●	
BUGS BUNNY.JPEG...	1MB	WARNER NEW MEDIA	25	RECORD	\$2.50	DISPLAY		●	
FRIZ FRELENG BIOGRA...	256KB	WARNER NEW MEDIA	120	SECTOR	\$5.00	PRINT			
TEX AVERY BIOGRAP...	256KB	WARNER NEW MEDIA	50	PERCENT	\$2.50	COPY			
► DUCK! RABBIT! DU...	64MB	WARNER NEW MEDIA	7.0	MINUTE	\$7.50	COPY-PRO			
MEL BLANC BIOGRAPH...	256KB	WARNER NEW MEDIA	1	SPECIAL	\$25.25	INSTALL			
LOONEY TUNES DATAB...	600MB	WARNER NEW MEDIA	1	OBJECT	\$2000.00	ALL			●

SET LIMITS...	SHOW BUDGETS	ACQUIRE BUDGET...	HISTORY...	TRANSFER...	PREFERENCES...	FEEDBACK...	HELP!
---------------	--------------	-------------------	------------	-------------	----------------	-------------	-------

FIG. 73

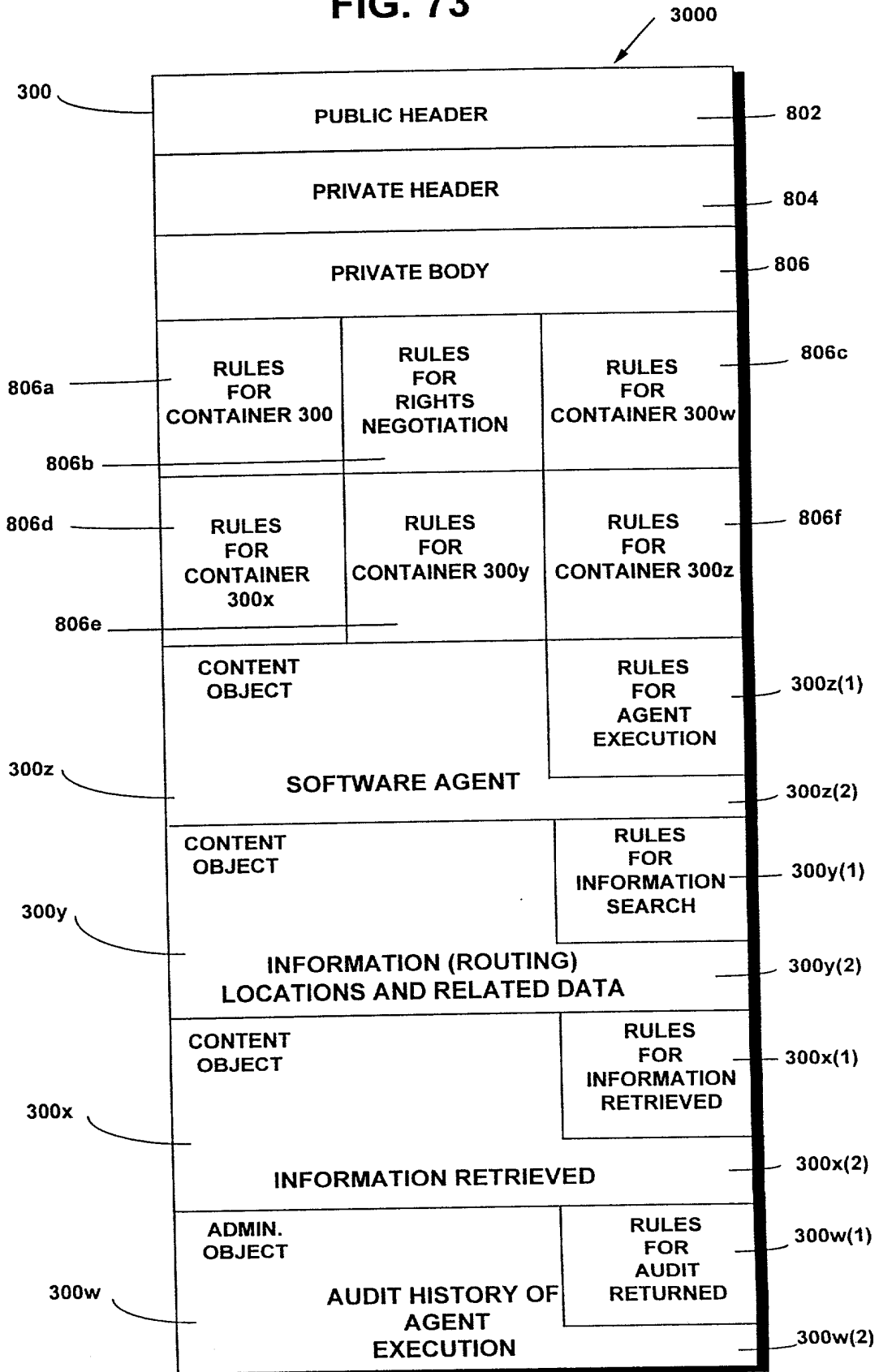


FIG. 74

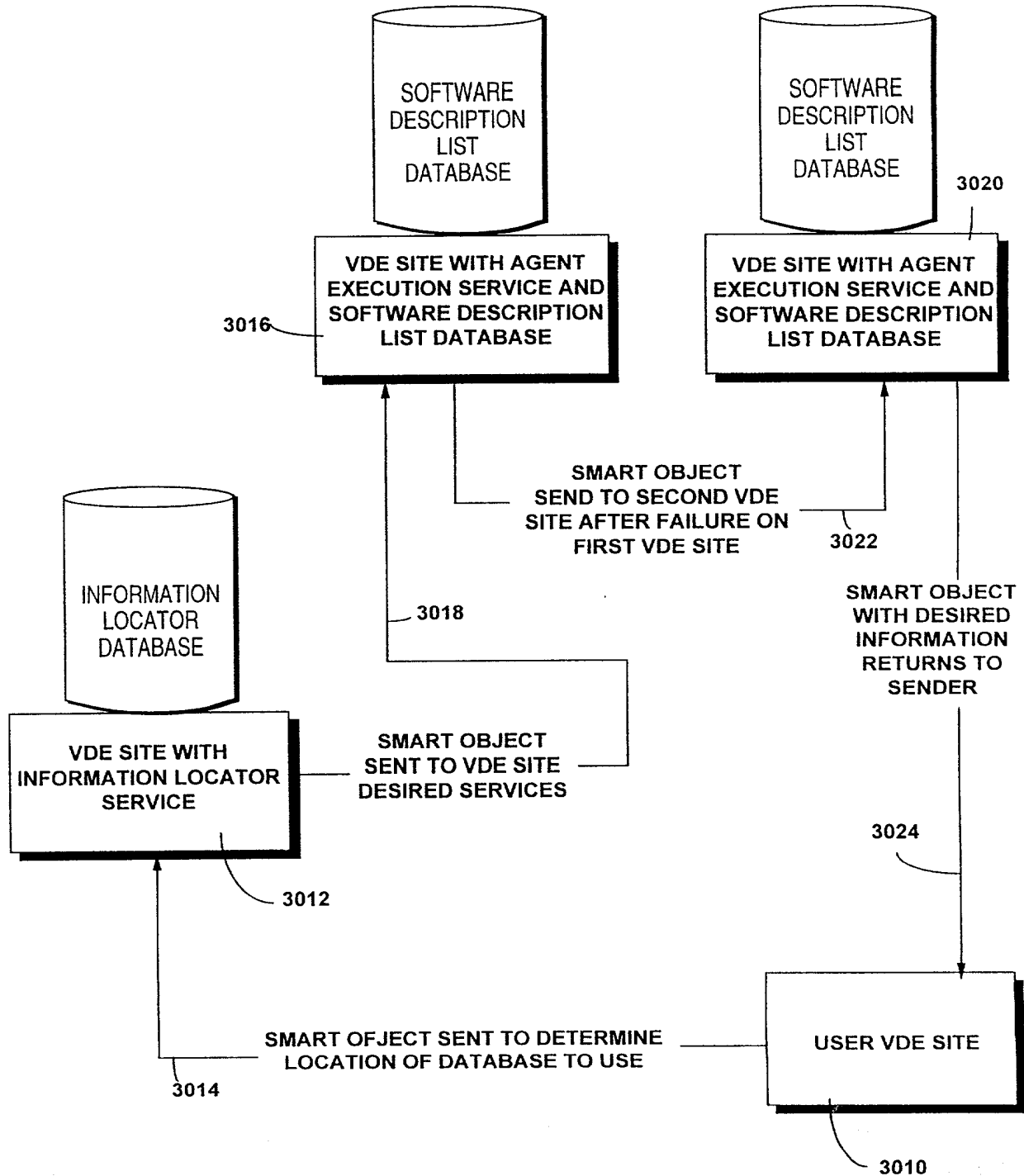


FIG. 75A

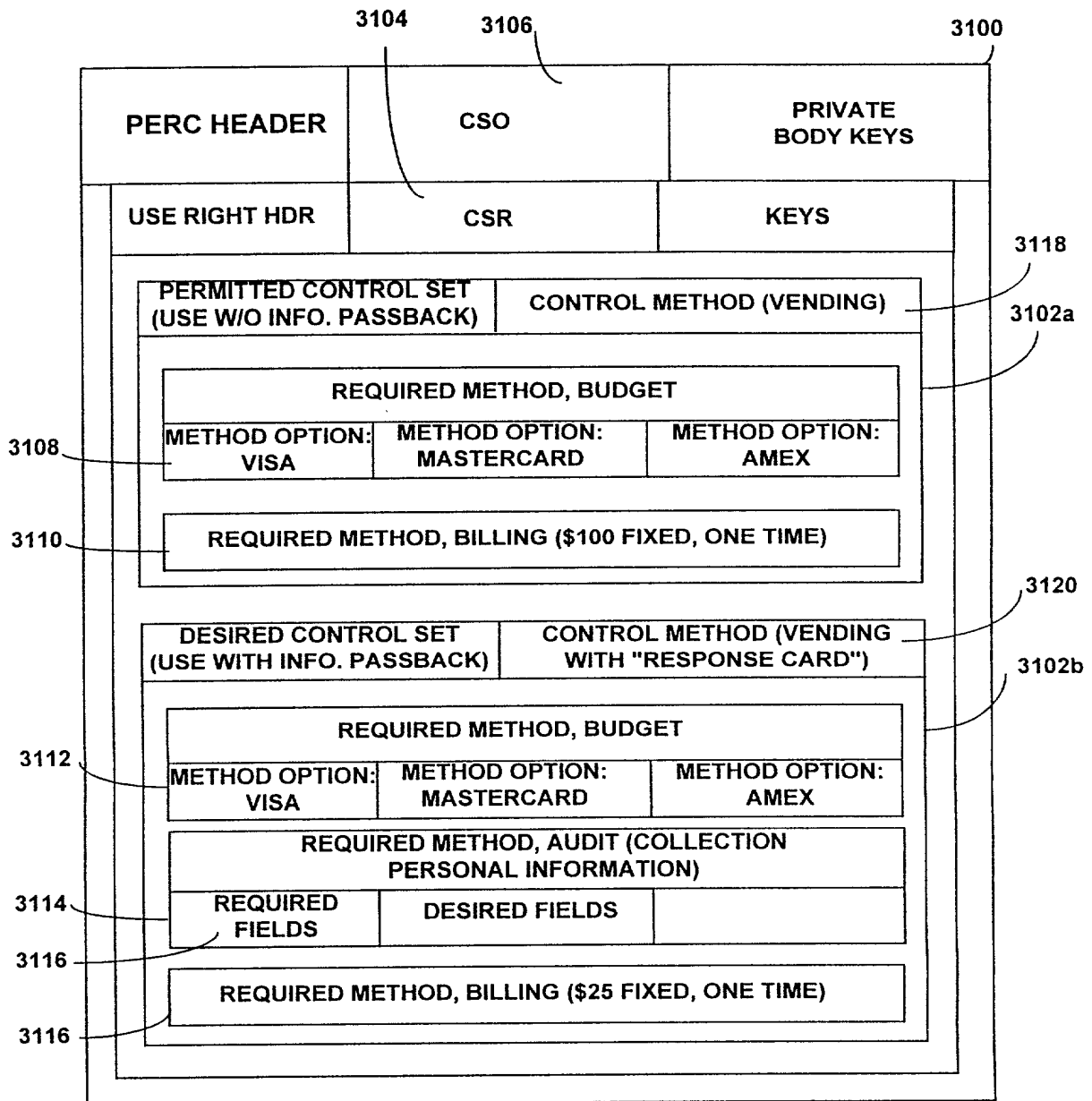


FIG. 75B

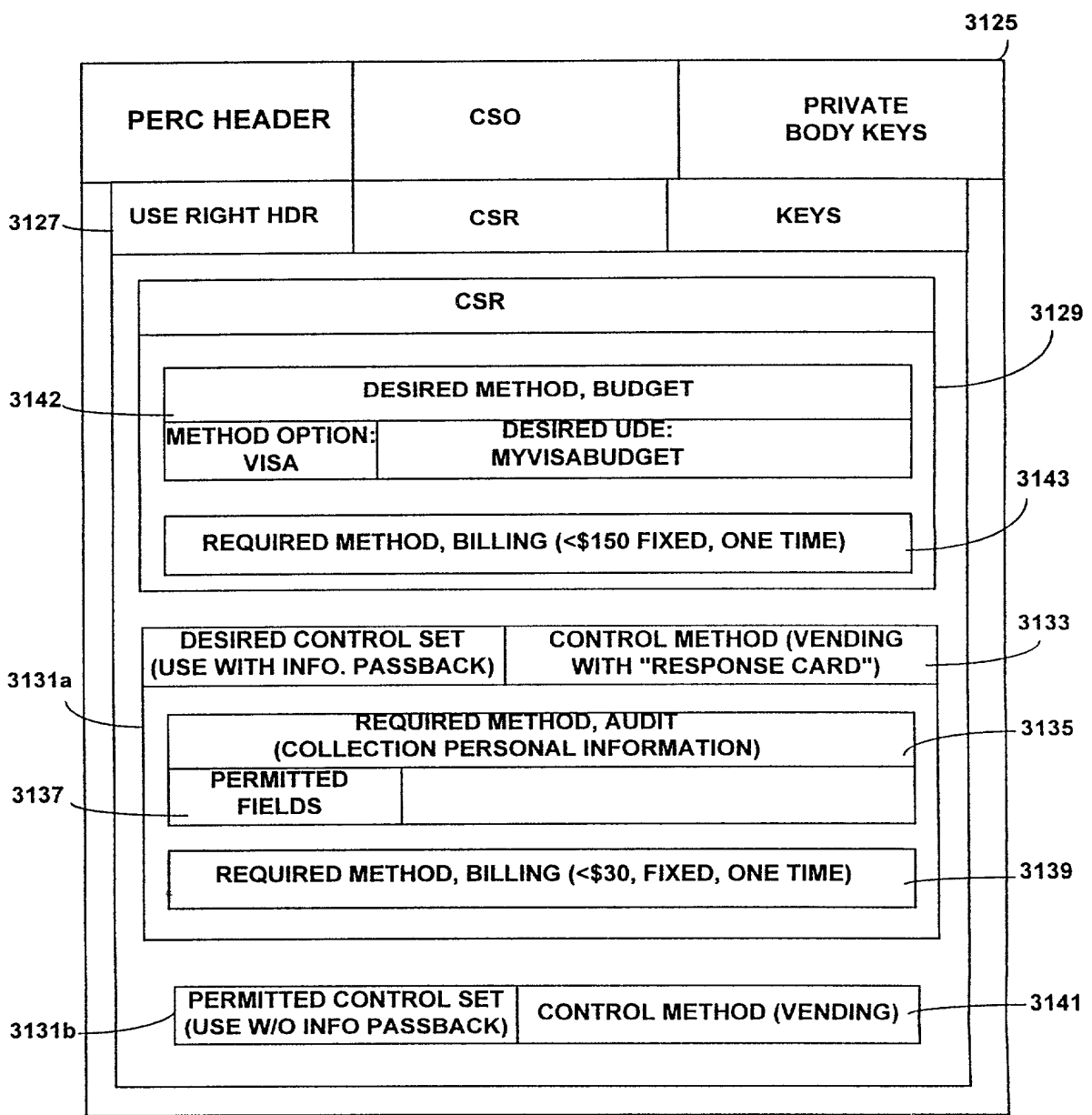


FIG. 75C

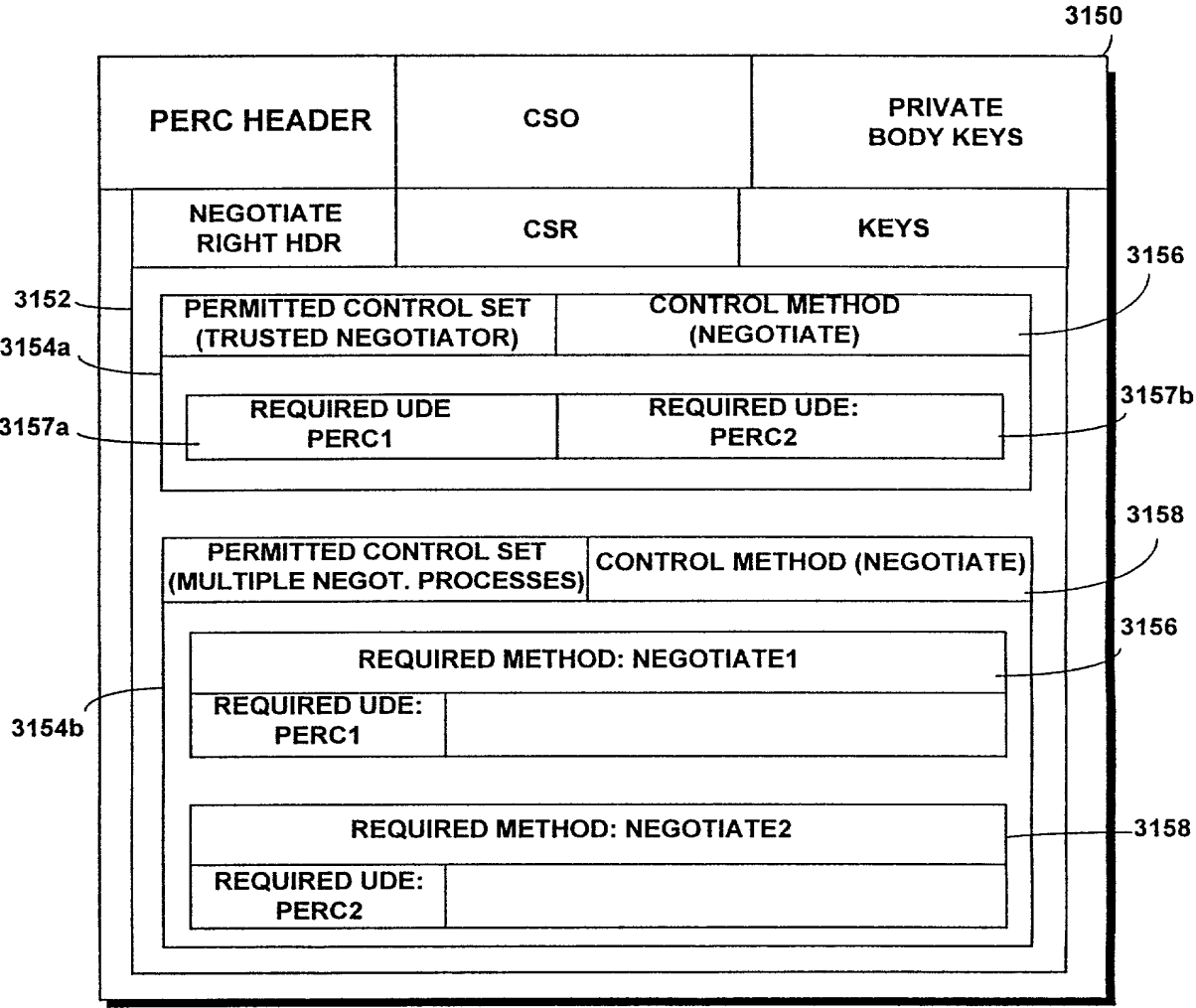


FIG. 75D

URT HEADER		CSO	DIGITAL SIGNATURE	3160			
USE RIGHT HDR		CSR					
CONTROL SET(USE WITH INFO. PASSBACK)		CONTROL METHOD(VENDING WITH "RESPONSE CARD")					
3162							
REQUIRED METHOD, BUDGET							
3164		<table border="1"> <tr> <td>METHOD OPTION: VISA</td> <td>DESIRED UDE: MYVISABUDGET</td> <td></td> </tr> </table>			METHOD OPTION: VISA	DESIRED UDE: MYVISABUDGET	
METHOD OPTION: VISA	DESIRED UDE: MYVISABUDGET						
3166							
REQUIRED METHOD, AUDIT (COLLECTION PERSONAL INFORMATION)							
3170		<table border="1"> <tr> <td>PERMITTED FIELDS</td> <td></td> </tr> </table>			PERMITTED FIELDS		
PERMITTED FIELDS							
REQUIRED METHOD, BILLING(\$25, FIXED, ONE TIME)							

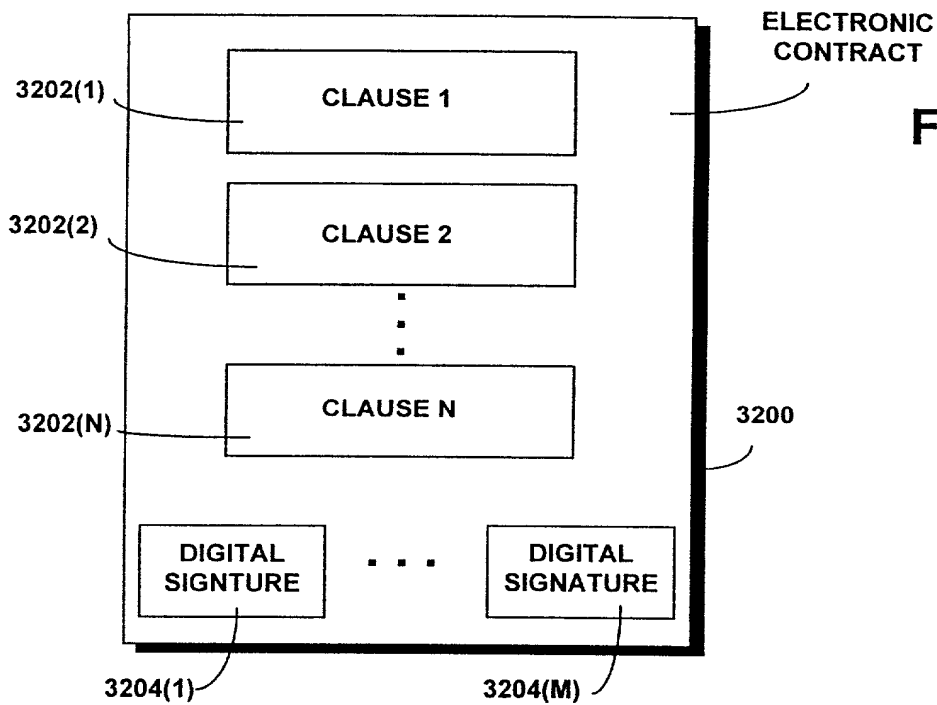


FIG. 75E

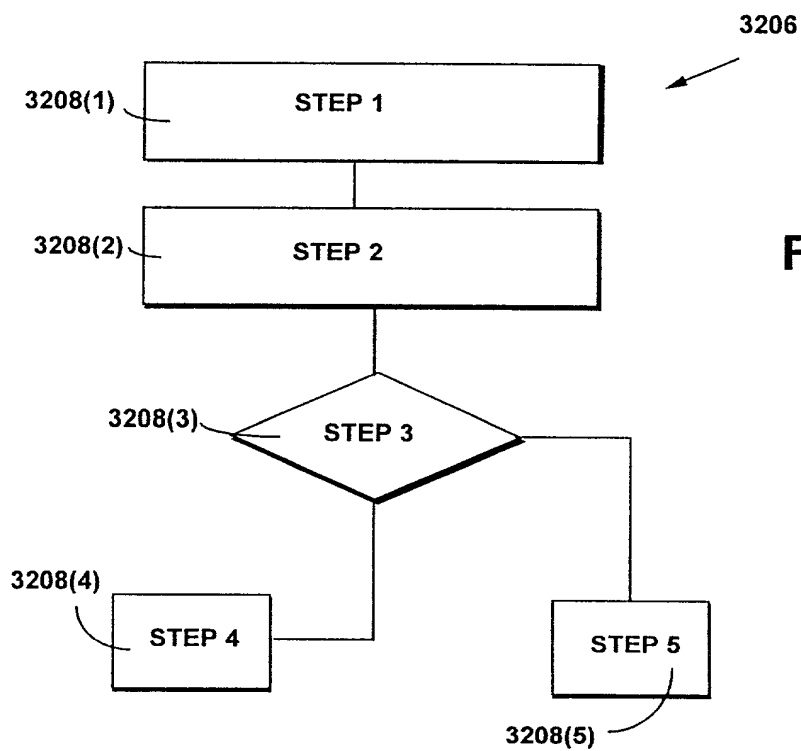


FIG. 75F

FIG. 76A

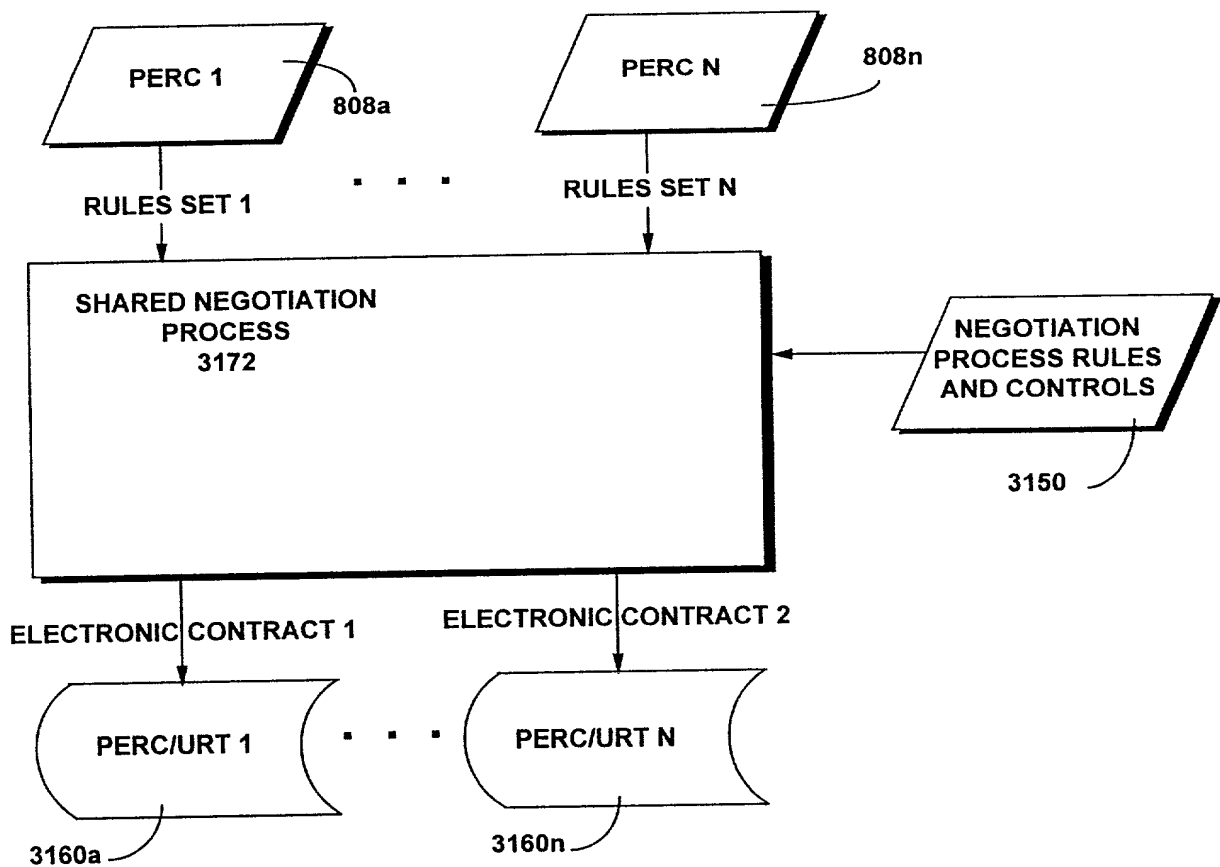


FIG. 76B

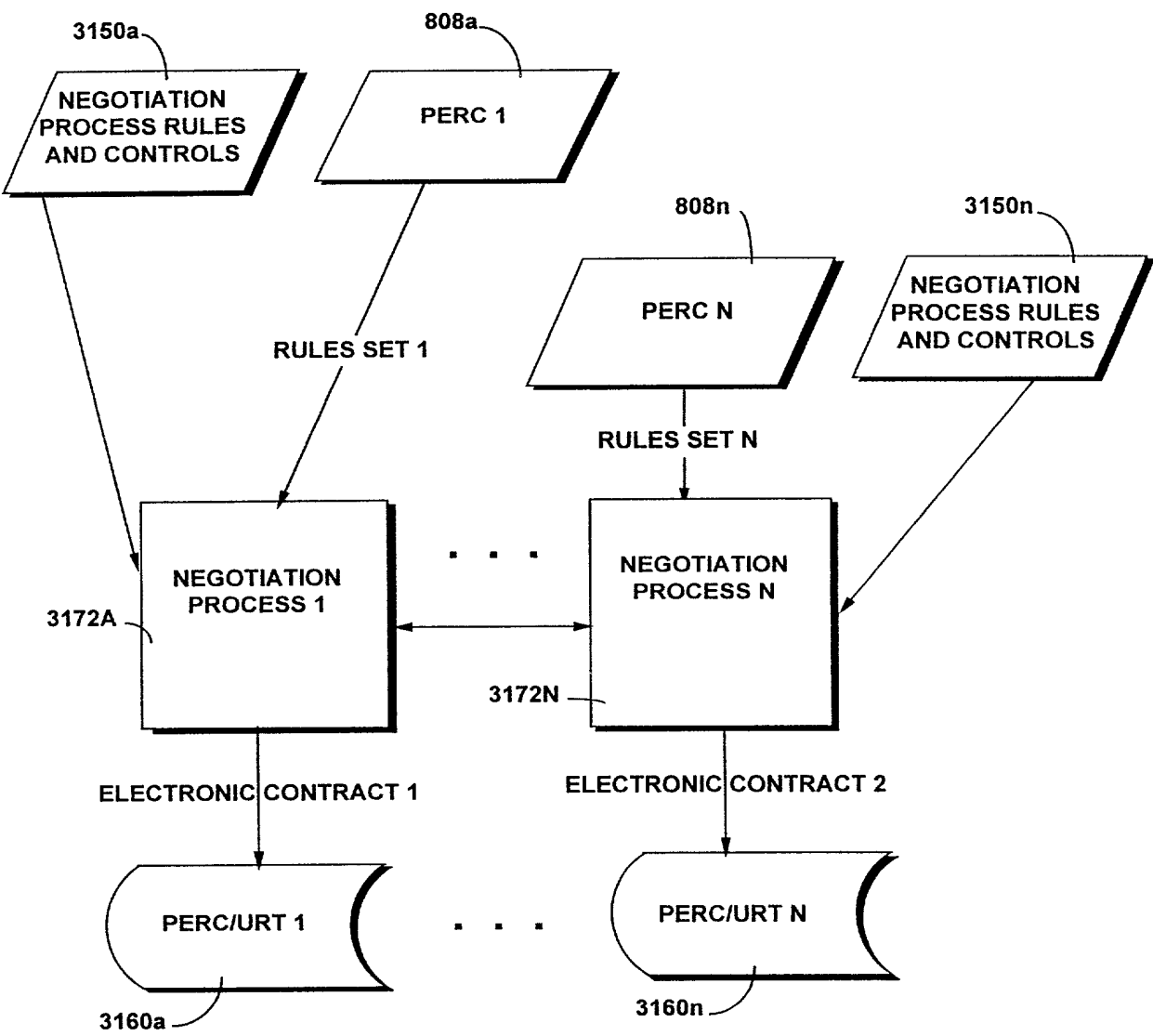


FIG. 77

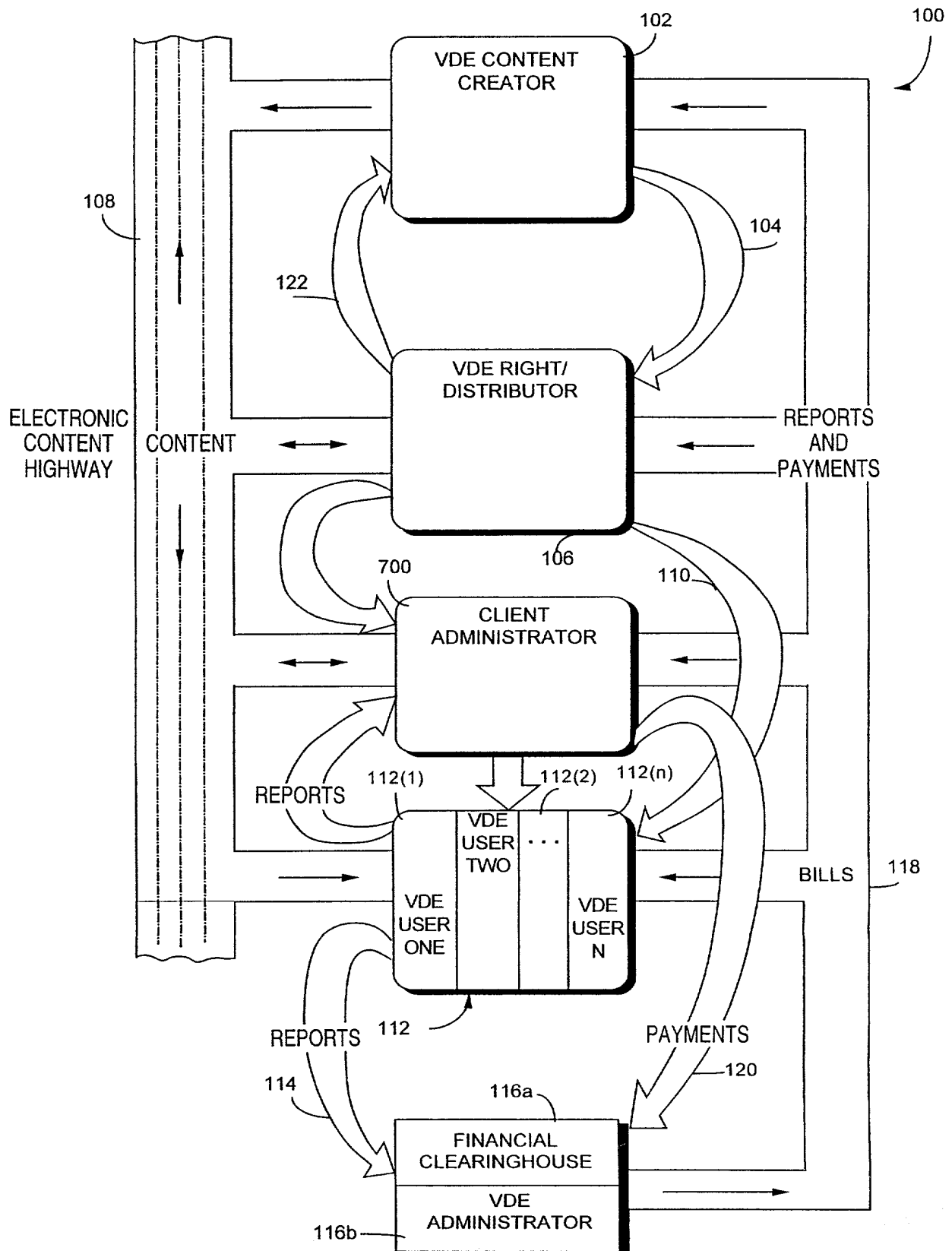


FIG. 79

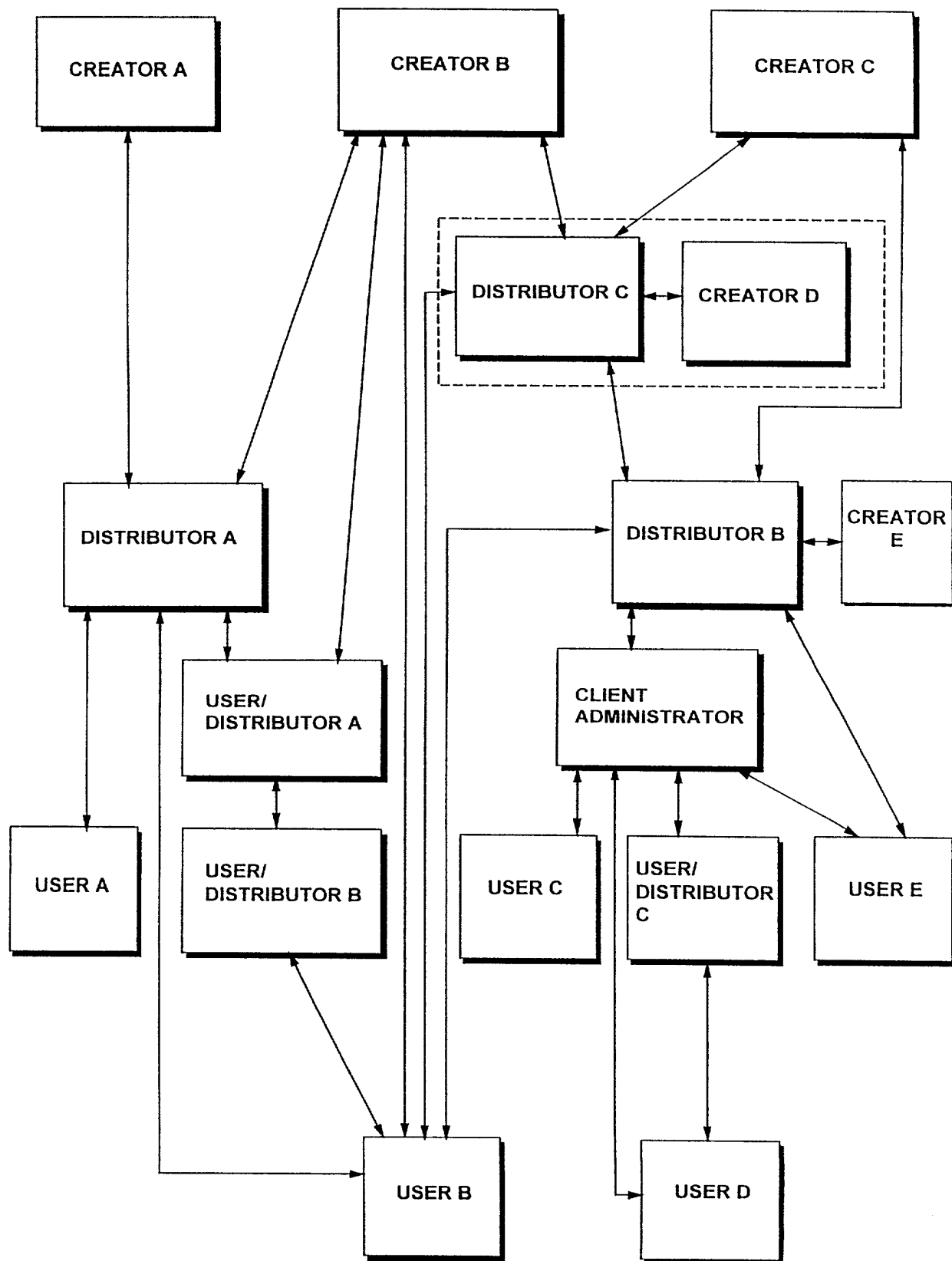


FIG. 80

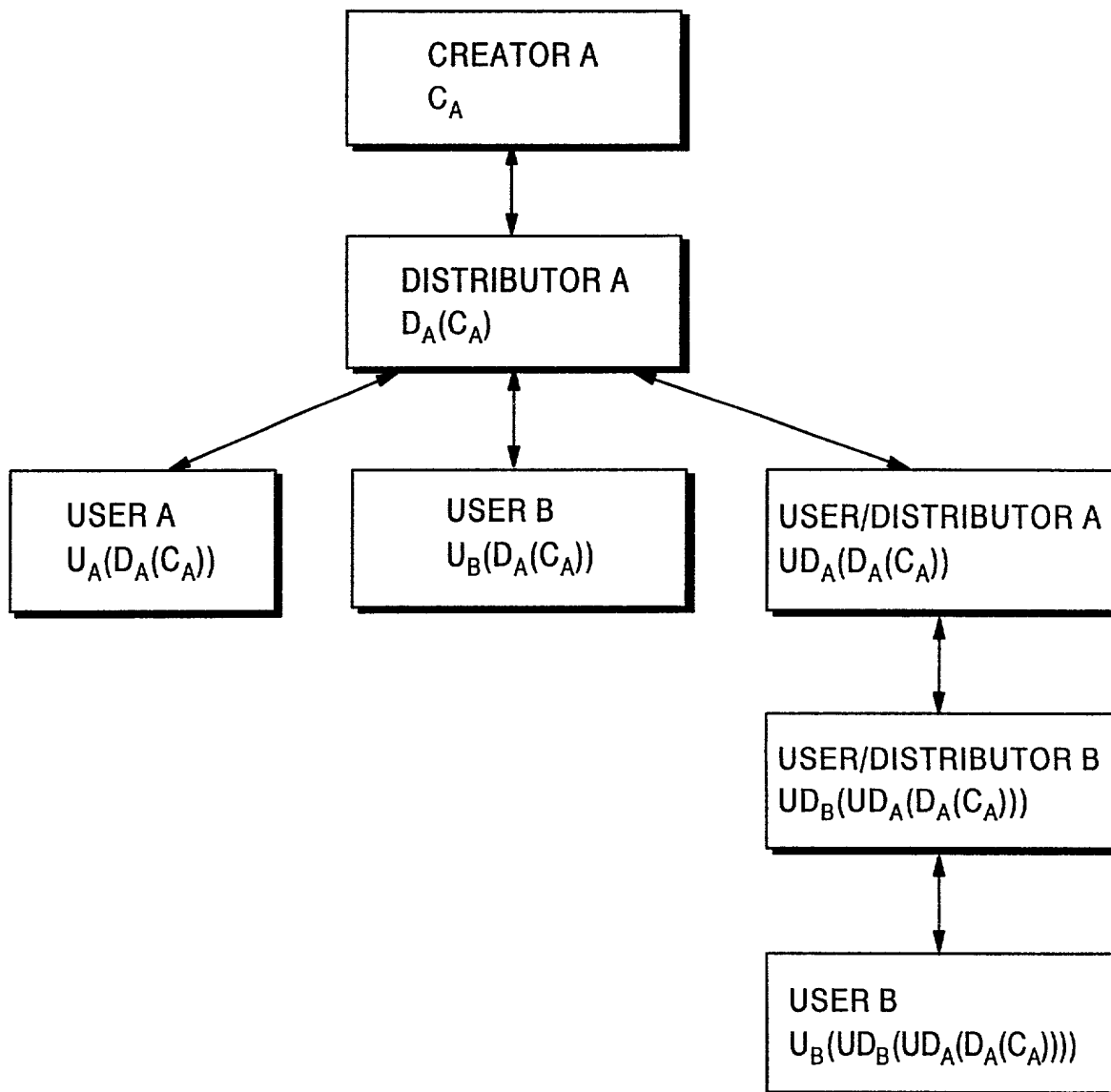


FIG. 82

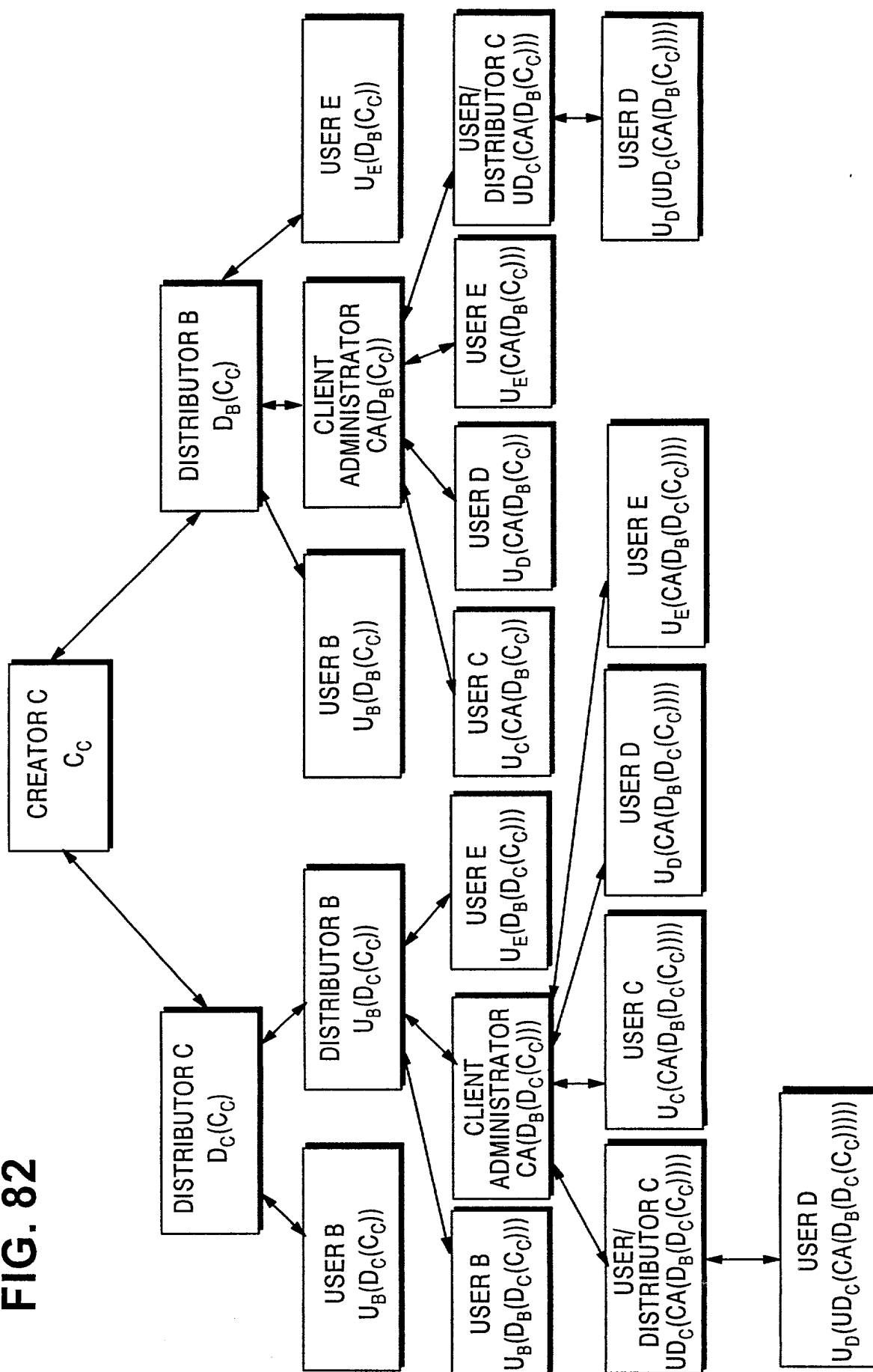


FIG. 83

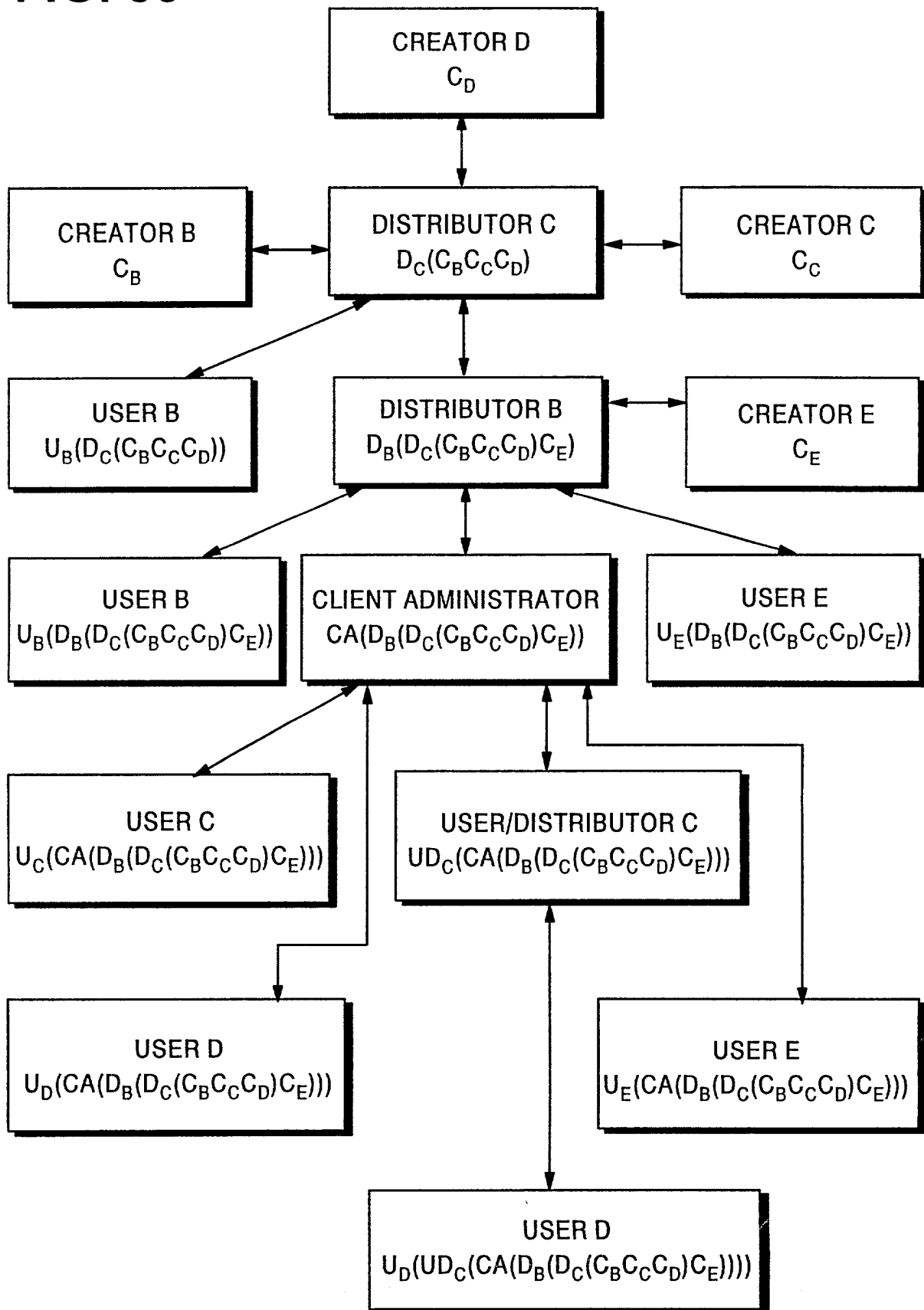


FIG. 84

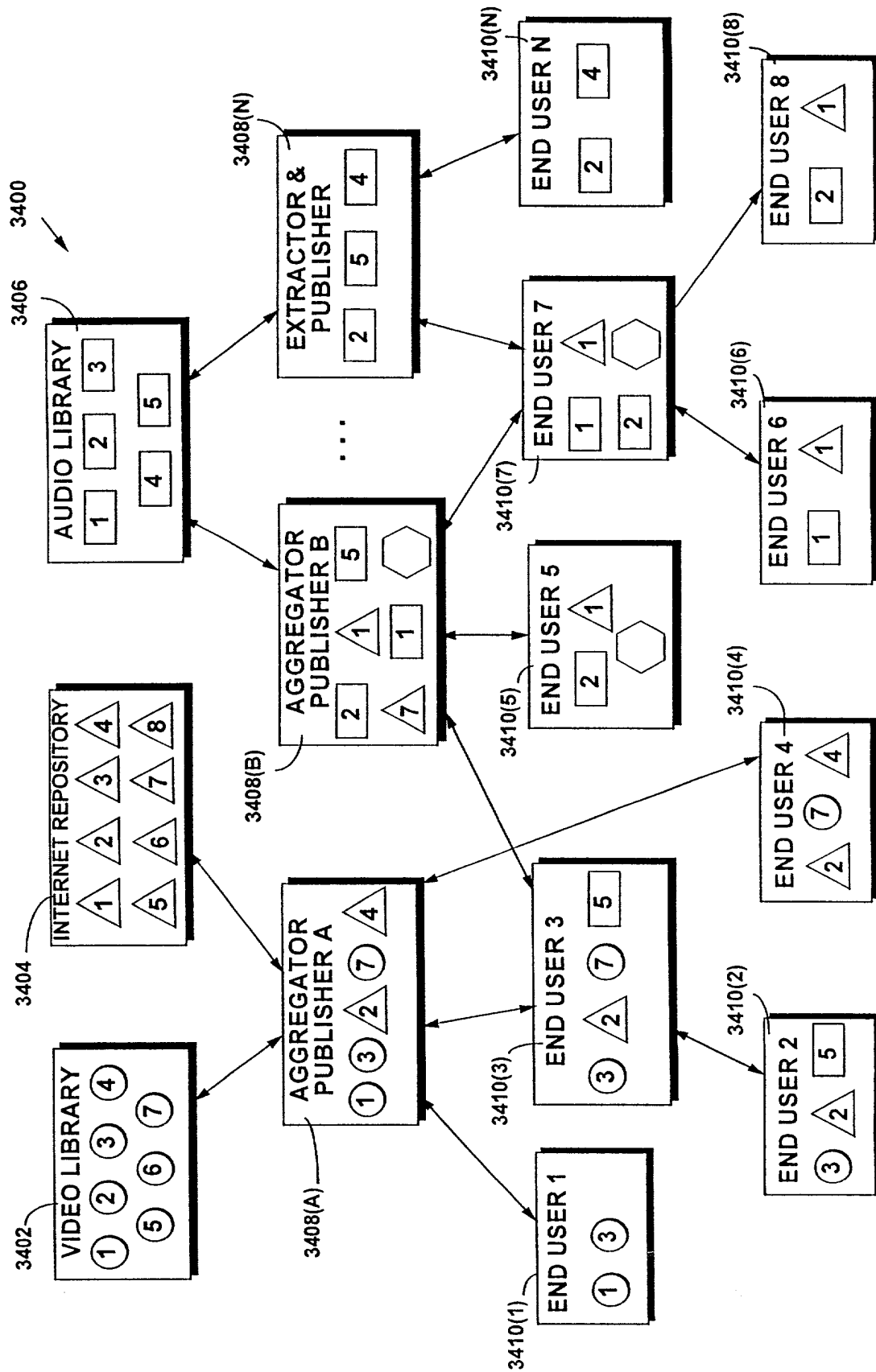
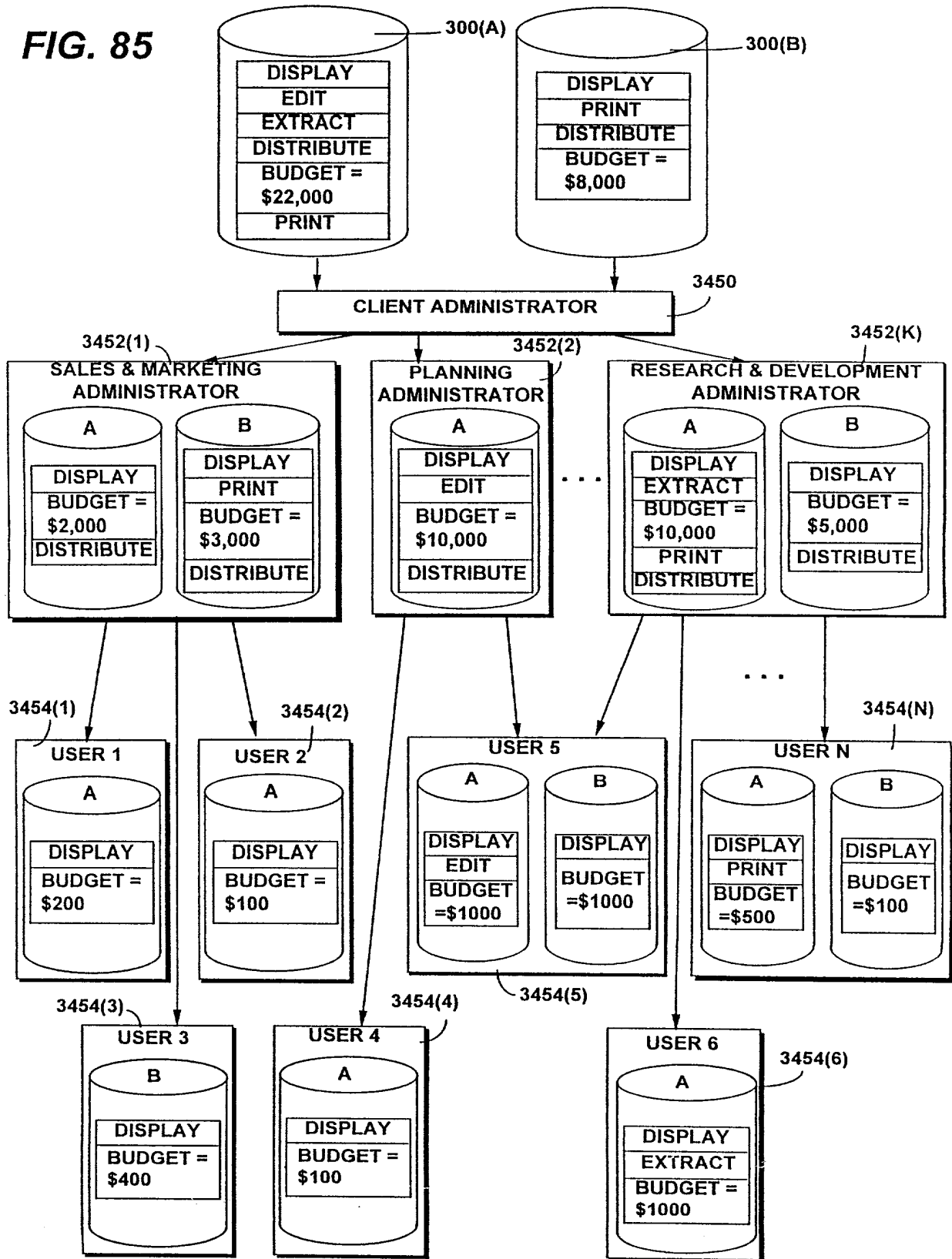


FIG. 85



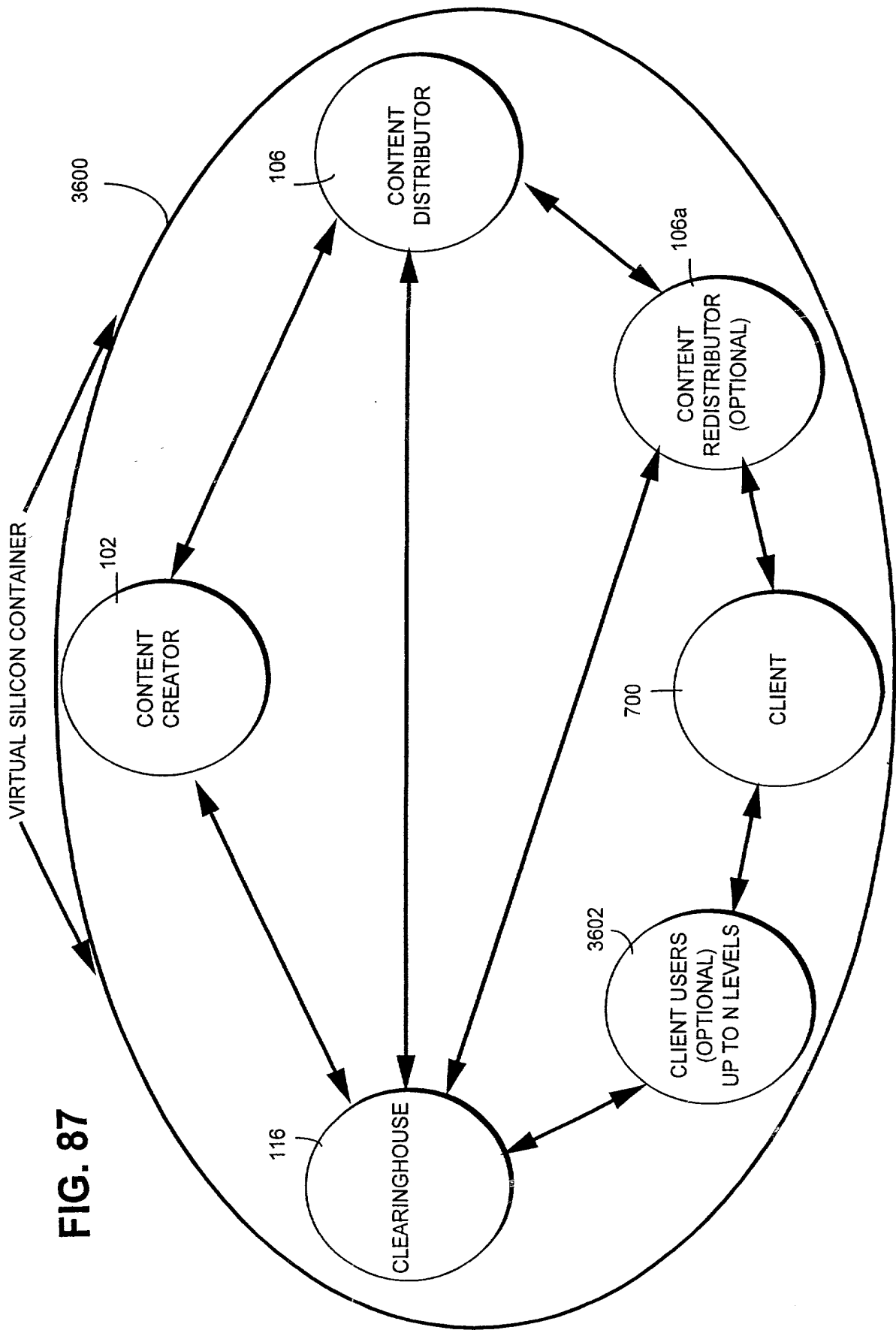


FIG. 87